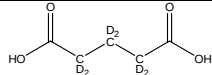
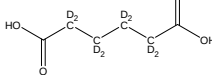
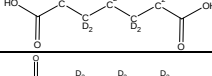
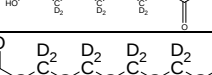
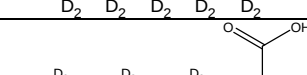
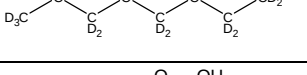
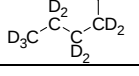
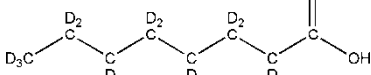
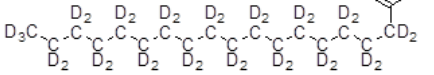
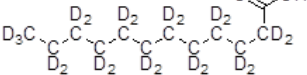
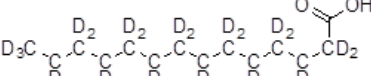
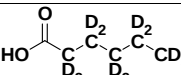
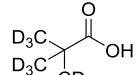
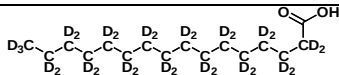
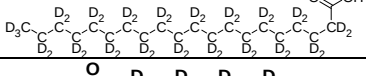
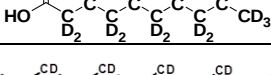
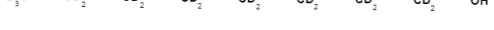


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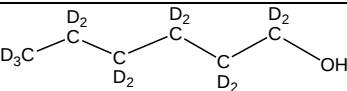
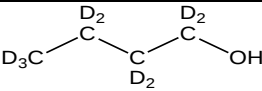
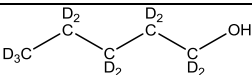
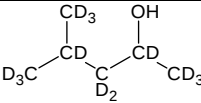
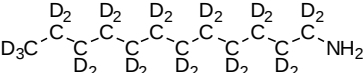
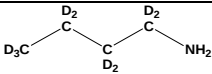
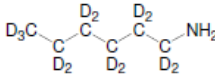
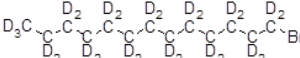
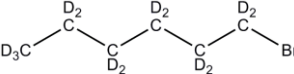
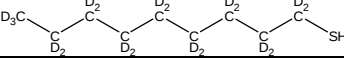
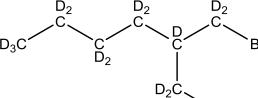
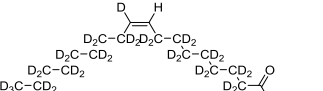
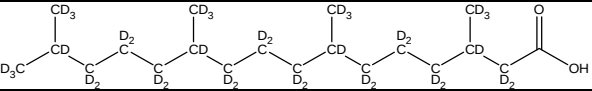
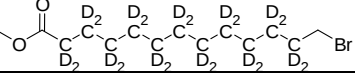
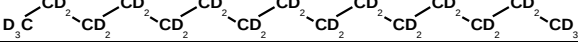
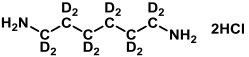
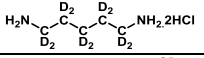
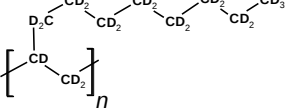
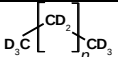
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Carboxylic acids, alcohols, amines, bromides, alkanes

Product code	Compound name	Chemical structure
COA0955	Pentanedioic acid-d ₆ glutaric acid-d ₆	
COA0956	Hexanedioic acid-d ₈ adipic acid-d ₈	
COA0957	Heptanedioic acid-d ₁₀ Pimelic acid-d ₁₀	
COA0958	Octanedioic acid-d ₁₂ Suberic acid-d ₁₂	
COA0938	Dodecanedioic acid-d ₂₀	
COA0929	nonanoic acid-d ₁₇	
COA1032	pentanoic acid-d ₉	
NDF0814 NDF0848	Octanoic acid-d ₁₅	
NDF0838	Octadecanoic acid-d ₃₅ 1-heptadecanecarboxylic acid-d ₃₅ Stearic acid-d ₃₅	
NDF0849 COA1025	Dodecanoic acid-d ₂₃ Lauric acid-d ₂₃	
NDF0850	Myristic acid-d ₂₇	
COA1026 COA1033	hexanoic acid-d ₁₁	
COA0964	2,2-dimethylpropionic acid-d ₉ Trimethylacetic acid-d ₉ Pivalic acid-d ₉	
COA0997	Hexadecanoic acid-d ₃₁ palmitic acid-d ₃₁	
COA1011	arachidic acid-d ₃₉	
COA1043	decanoic acid-d ₁₉	
COA0991	1-hexadecanol-d ₃₁	

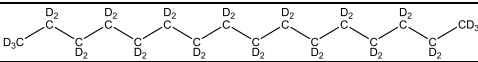
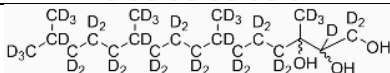
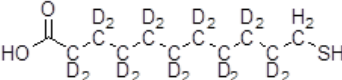
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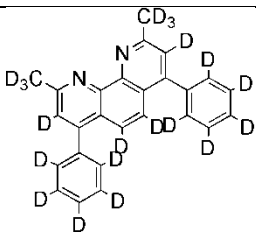
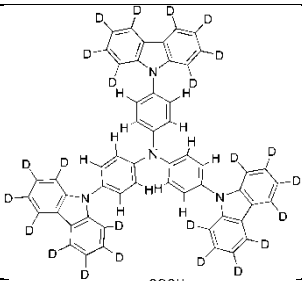
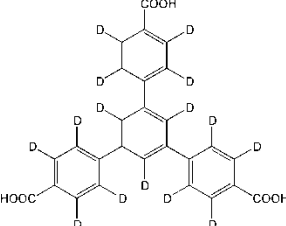
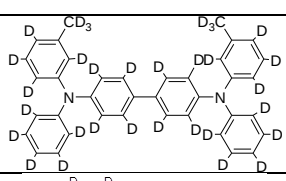
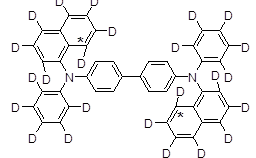
Product code	Compound name	Chemical structure
NDF0803	1-Hexanol-d ₁₃	
NDF0806	1-Butanol-d ₉	
COA0890	1-pentanol-d ₁₁	
COA0891	4-methyl-2-pentanol-d ₁₃	
COA0892	dodecylamine-d ₂₅	
NDF0831 NDF0833	1-Butylamine-d ₉	
NDF0832	1-Hexylamine-d ₁₃	
COA1015	1-bromotridecane-d ₂₇	
NDF0830 NDF0815	1-Bromohexane-d ₁₃	
COA0920	nonane-1-thiol-d ₁₉	
COA0921	2-Ethylhexyl bromide d ₁₇	
Multiple	oleic acid-d ₃₂	
Precursor	Phytanic acid-d ₃₉	
COA1021	methyl 13-bromotridecanoate-d ₂₂	
COA1034	pentadecane-d ₃₂	
COA1037	hexamethalenediamine.2HCl d ₁₂	
COA1044	pentamethylenediamine.2HCl d ₁₀	
COA1052 COA0979	Deuterated poly (1-decene)	
COA0978 COA1053	Deuterated mineral oil	

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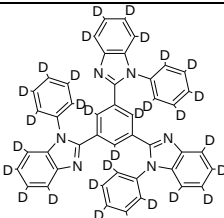
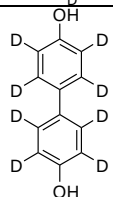
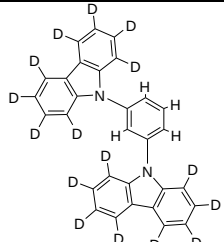
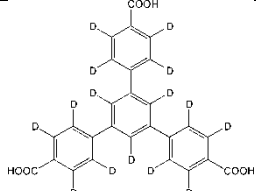
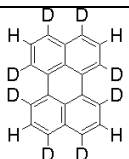
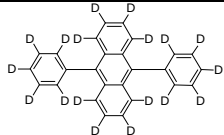
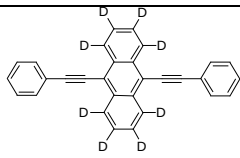
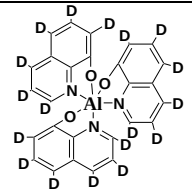
Product code	Compound name	Chemical structure
COA0935	Hexadecane-d ₃₄	
COA0917	Decane-1-thiol-d ₂₁	
Various	Phytantriol-d ₃₉	
NDF0881	11-mercaptoundecanoic acid-d ₂₀	

Aromatic molecules

Product code	Compound name	Chemical structure
NDF0804 NDF0874	Bathocuproine-d ₂₀ BCP-d ₂₀ 2,9-Dimethyl-4,7-diphenyl- 1,10-phenanthroline-d ₂₀	
NDF0805 COA1036 COA0924 NDF0876	Tris(4-carboxy-9- ylphenyl)amine-d ₂₄ TCTA-d ₂₄	
NDF0813	Carboxylphenyl)benzene-d ₁₅ BTB-d ₁₅	
NDF0818 NDF0875	<i>N,N'</i> -Bis(3-methylphenyl)- <i>N,N'</i> -diphenylbenzidine-d ₃₂ TPD-d ₃₂	
NDF0819	<i>N,N'</i> -Di(1-naphthyl)- <i>N,N'</i> - diphenyl-(1,1'-biphenyl)-4,4'- diamine-d ₂₄ NPD-d ₂₄	

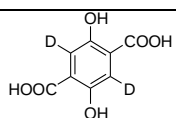
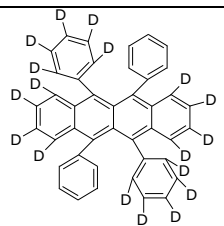
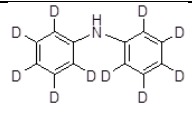
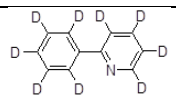
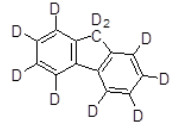
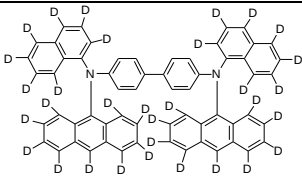
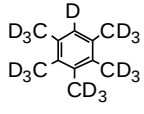
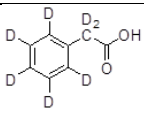
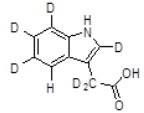
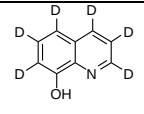
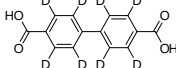
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Product code	Compound name	Chemical structure
NDF0820 COA1051 COA0889 COA1049 COA0926	2,2',2''-(1,3,5-Benzinetriyl)- tris(1-phenyl-1- <i>H</i> - benzimidazole)-d ₃₀ TPBi-d ₃₀	
NDF0835	Biphenol-d ₈	
NDF0836	1,3-Bis(<i>N</i> -carbazolyl)benzene mCP-d ₁₆	
NDF0846	1,3,5-Tris(4- carboxyphenyl)benzene-d ₁₅ BTB-d ₁₅	
NDF0858	Perylene-d ₈	
NDF0859	9,10-di-phenyl anthracene- d ₁₈	
NDF0860	9,10-diphenylethenyl- anthracene-d ₈	
NDF0837	Alq ₃ -d ₁₈ Tris-(8-hydroxyquinoline) aluminium-d ₁₈	

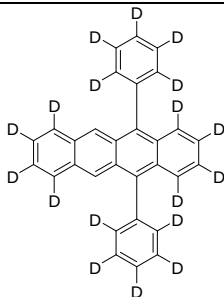
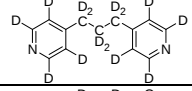
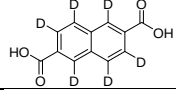
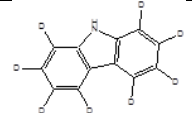
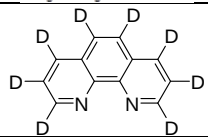
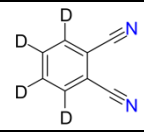
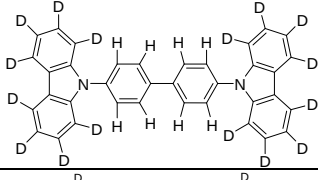
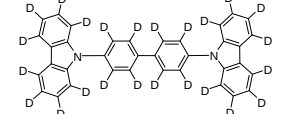
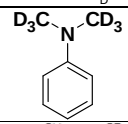
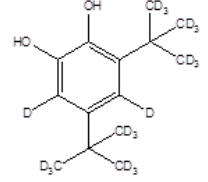
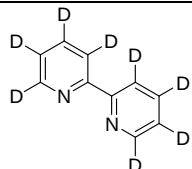
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Product code	Compound name	Chemical structure
NDF0828 NDF0834	DHTPA-d ₂ 2,5-Dihydroxyterephthalic acid-d ₂ 2,5-Dihydroxy-1,4-benzenedicarboxylic acid-d ₂	
COA0865 NDF0865 COA0940	Rubrene-d ₁₈	
NDF0867	diphenylamine-d ₁₀	
NDF0869	2-phenylpyridine-d ₉	
NDF0871	fluorene-d ₁₀	
NDF0880	NAD-d ₃₆	
COA0884	1,2,3,4,5-pentamethylbenzene-d ₁₆	
COA0885	phenylacetic acid-d ₇	
COA0886	indole-3-acetic acid-d ₅	
COA0887	8-hydroxyquinoline-d ₆	
COA0946, COA0947	4,4'-biphenyldicarboxylic acid-d ₈	

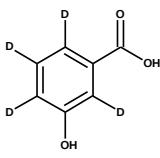
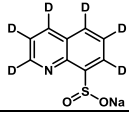
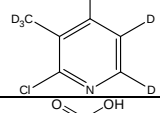
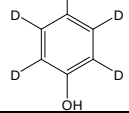
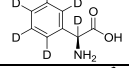
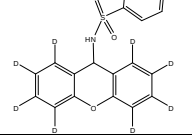
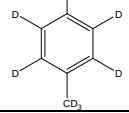
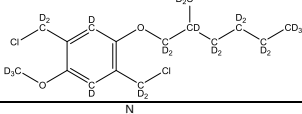
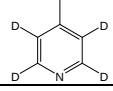
National Deuteration Facility Product list

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Product code	Compound name	Chemical structure
COA0948	5,12-diphenyltetracene-d ₁₈	
COA0949	4,4'-trimethylenedipyridine-d ₁₄	
COA0950	2,6-naphthenedicarboxylic acid-d ₆	
COA0919	carbazole-d ₈	
COA1058	phenanthroline-d ₈	
COA1060	phthalonitrile-d ₄	
COA0931 COA1038	4,4'-Bis(N-carbazolyl)-1,1'-biphenyl-d ₁₆ CBP-d ₁₆	
COA1050	4,4'-Bis(N-carbazolyl)-1,1'-biphenyl-d ₂₄ CBP-d ₂₄	
COA1072	Dimethylaniline-d ₆	
COA1078	3,5-di-tert-butylcatechol-d ₂₀	
COA1031	2,2'-bipyridine-d ₈	

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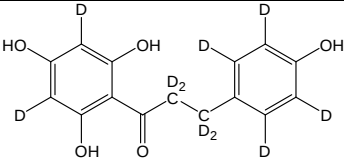
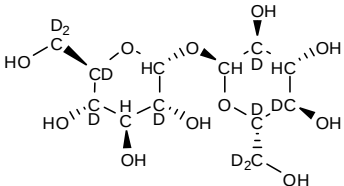
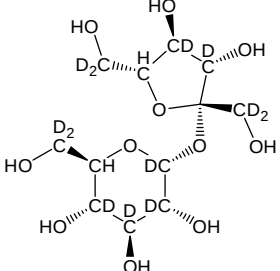
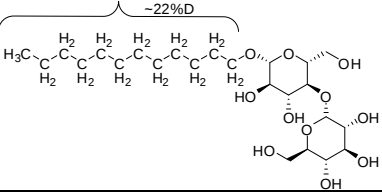
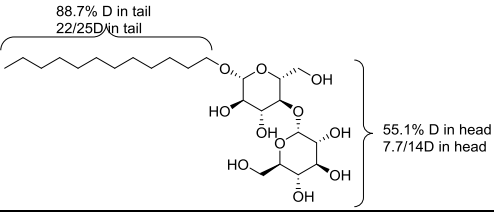
August 2019

Product code	Compound name	Chemical structure
COA0989	3-hydroxybenzoic acid-d ₄	
COA1040	8-quinoline sulfonic acid-d ₆	
COA0952	2-chloro-3-methylpyridine-d ₆	
COA0959 COA0960	4-hydroxybenzoic acid-d ₄	
COA0962	Phenylglycine-d ₆	
COA0967	4-methyl-N-(9H-xanthen-9yl) benzenesulfonamide-d ₈	
COA0922	4-methylbenzenethiol-d ₇	
COA0927 COA0928	MEH PPV monomer-d ₂₆	
COA0937	4-cyanopyridine-d ₄	

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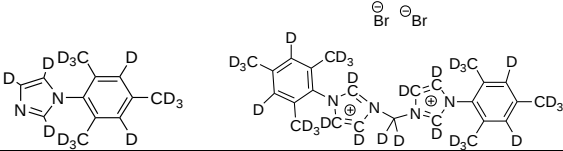
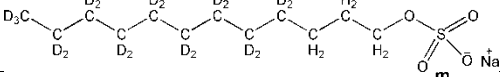
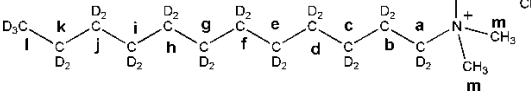
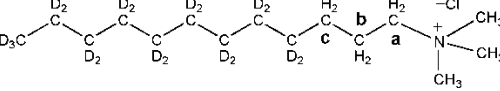
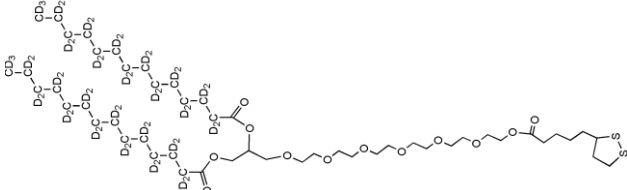
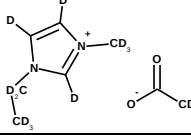
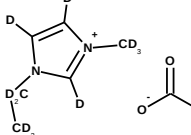
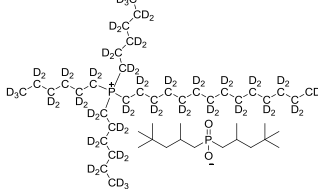
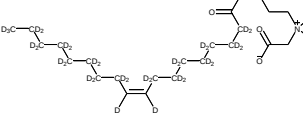
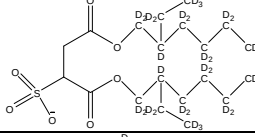
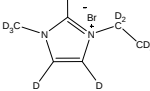
Sugars and related

Product code	Compound name	Chemical structure
NDF0811	Phloretin-d ₁₀	
NDF0812	Trehalose-d ₁₀	
NDF0827	Sucrose-d ₁₂	
COA0895	n-Dodecyl-β-D-maltopyranoside DDM deuterated tail 22% D	
COA1022 COA1023 COA1028 COA1076	n-Dodecyl-β-D-maltopyranoside DDM head 55%D tail 89%D	

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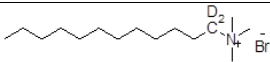
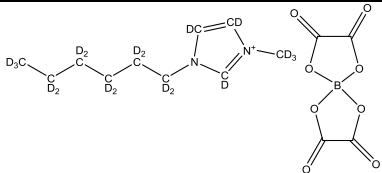
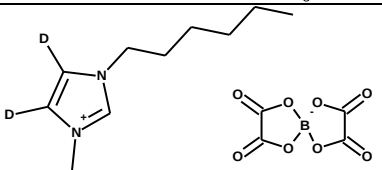
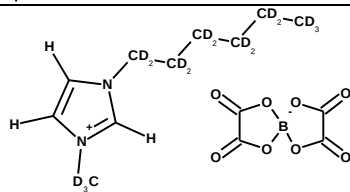
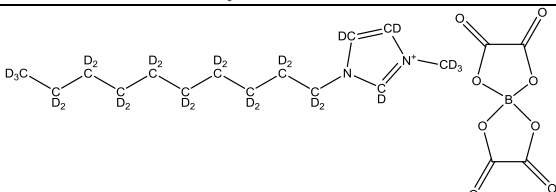
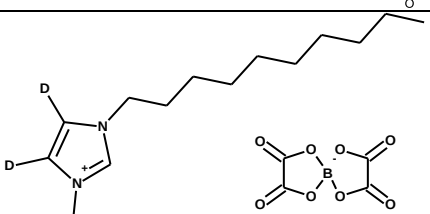
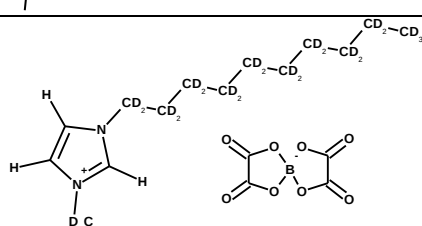
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Ionic compounds/surfactants

Product code	Compound name	Chemical structure
NDF0817	salt (d-(MesIm) ₂ CD ₂ Br ₂	
NDF0821	Sodium lauryl sulfate-d ₁₉ (selective)	
NDF0823	Dodecyltrimethylammonium chloride-d ₂₅	
NDF0824	Dodecyltrimethylammonium chloride -d ₁₉	
NDF0809	LA-DL14-d ₅₄ (WC 14 analogue)	
COA0995 COA1008	1-ethyl-3-methyl-imidazolium acetate-d ₁₄	
COA0996	1-ethyl-3-methyl-imidazolium acetate-d ₁₁	
COA0961 COA0942 COA0975	d-trihexyltetradecyl phosphonium bis(2,4,4-trimethylpentyl)phosphinate-d ₆₈	
COA0972	Oleic betaine-d ₃₂ OAPB-d ₃₂	
COA0973	d-AOT sulfonic ester	
COA0936	1-Ethyl-3-methylimidazolium bromide-d ₁₀ EMIM Br-d ₁₀	

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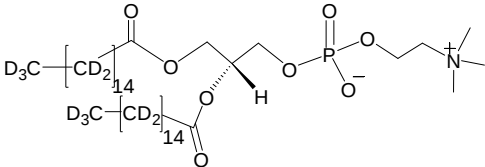
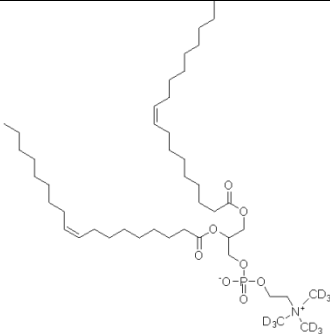
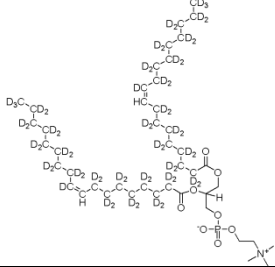
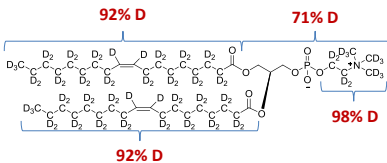
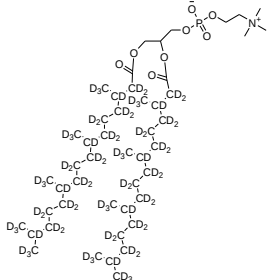
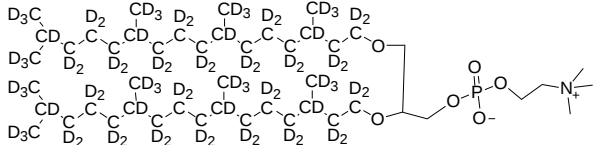
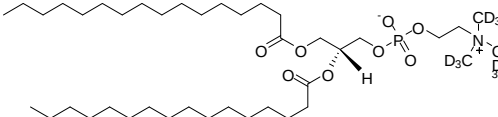
August 2019

Product code	Compound name	Chemical structure
COA0906	Dodecyltrimethylammonium bromide-d ₂ DTAB-d ₂	
COA1062	1-Hexyl-3-methyl-imidazolium-d ₁₉ bis(oxalato)borate	
COA1067	1-Hexyl-3-methyl-4,5-d ₂ -imidazolium bis(oxalato)borate	
COA1073	1-Hexyl-d ₁₃ -3-methyl-d ₃ -imidazolium bis(oxalato)borate	
COA1061	1-Decyl-3-methyl-imidazolium-d ₂₄ bis(oxalato)borate	
COA1068	1-Decyl-3-methyl-4,5-d ₂ -imidazolium bis(oxalato)borate	
COA1074	1-Decyl-d ₂₁ -3-methyl-d ₃ -imidazolium bis(oxalato)borate	

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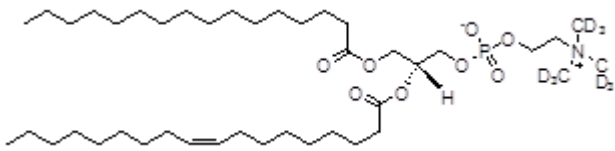
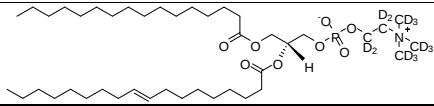
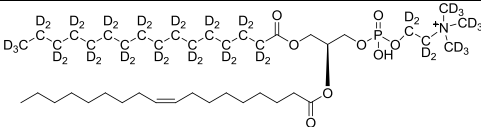
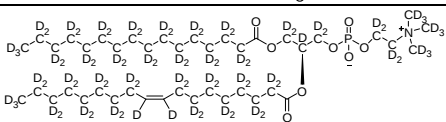
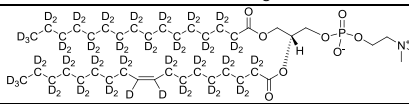
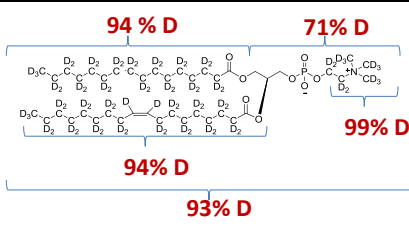
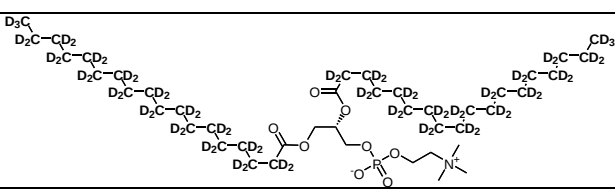
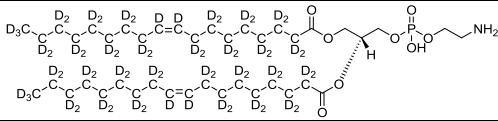
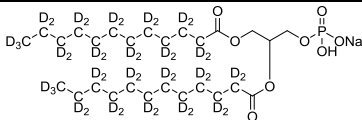
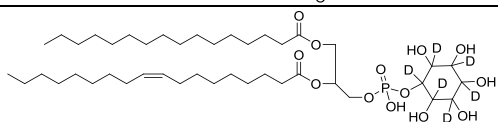
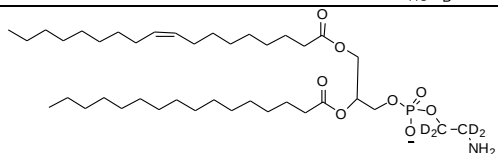
August 2019

Phospholipids

Product code	Compound name	Chemical structure
NDF0822	1,2-dipalmitoyl- <i>sn</i> -glycero-3-phosphocholine- d_{62} DPPC- d_{62}	
NDF0829	1,2-dioleoyl- <i>sn</i> -glycero-3-phosphocholine- d_9 DOPC- d_9	
NDF0841 NDF0862 COA0888 COA0900 COA0909 COA0914	1,2-dioleoyl- <i>sn</i> -glycero-3-phosphocholine- d_{64} DOPC- d_{64}	
COA0971	1,2-dioleoyl- <i>sn</i> -glycero-3-phosphocholine- d_{77} DOPC- d_{77}	
NDF0839 COA0893 COA0968 COA0969 COA0970	DPhyPC-ester	
NDF0840	DPhyPC-ether	
NDF0866 NDF0882 COA0913 COA0902	1,2-palmitoyl- <i>sn</i> -glycero-3-phosphocholine- d_9 DPPC- d_9	

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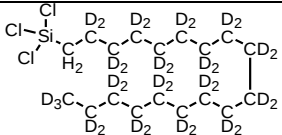
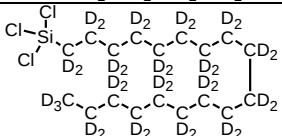
August 2019

Product code	Compound name	Chemical structure
NDF0868 COA0883	1-palmitoyl-2-oleoyl-glycero-3-phosphocholine-d ₉ POPC-d ₉	
COA0934	1-palmitoyl-2-oleoyl-glycero-3-phosphocholine-d ₁₃ POPC-d ₁₃	
COA0904 COA0988	1-palmitoyl-2-oleoyl-glycero-3-phosphocholine-d ₄₄ POPC-d ₄₄	
COA0905 COA0908	1-palmitoyl-2-oleoyl-glycero-3-phosphocholine-d ₈₁ POPC-d ₈₁	
COA0933	1-palmitoyl-2-oleoyl-glycero-3-phosphocholine-d ₆₄ POPC-d ₆₄	
Various COA0974	1-palmitoyl-2-oleoyl-glycero-3-phosphocholine-d ₇₇ POPC-d ₇₇	
COA0982	Hydro soy phosphocholine-d ₇₀ HSPC-d ₇₀	
COA1041 COA1042	DOPE-d ₆₆	
COA1056	DLPA-d ₄₆	
COA0923	1-palmitoyl-2-oleoyl-sn-glycero-3-phosphoinositol-d ₆	
COA0897	1-palmitoyl-2-oleoyl-sn-glycero-3-phosphoethanolamine-d ₄	

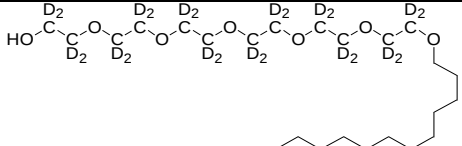
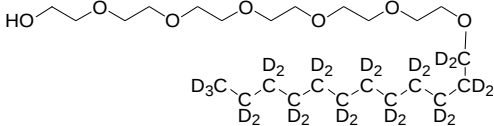
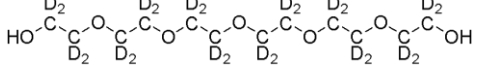
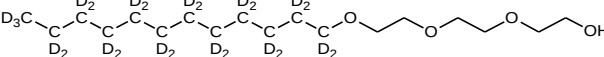
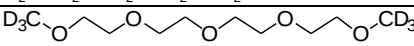
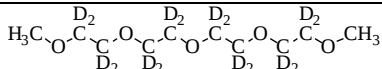
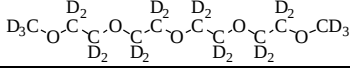
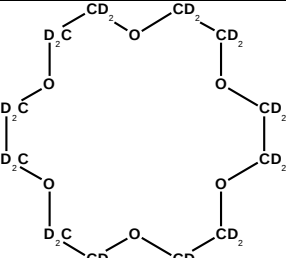
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Silicon containing compounds

Product code	Compound name	Chemical structure
NDF0842	octadecyltrichlorosilane-d ₃₅	
NDF0844	octadecyltrichlorosilane-d ₃₇	

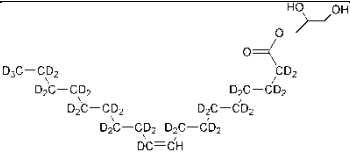
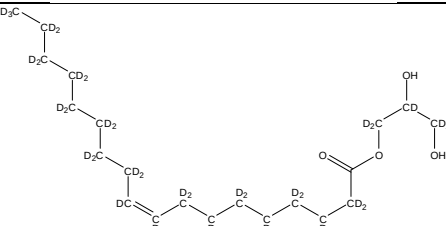
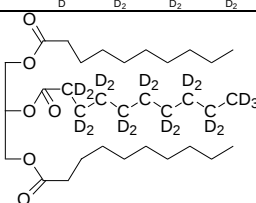
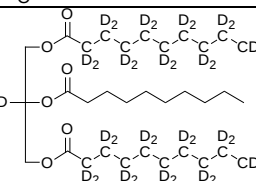
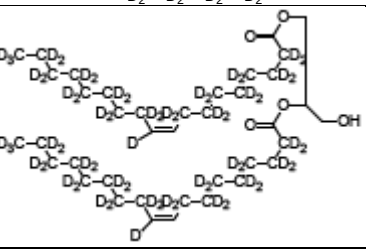
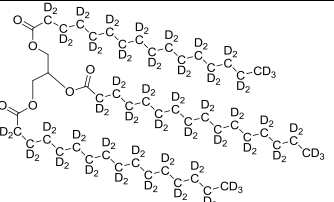
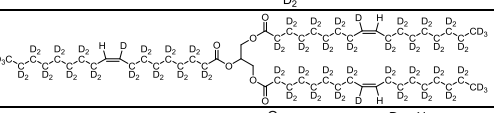
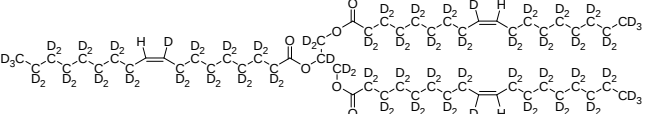
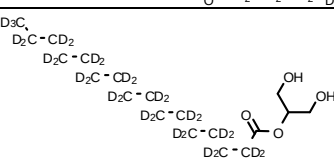
Glycols and related compounds

Product code	Compound name	Chemical structure
NDF0851	Hexaethylene glycol-d ₂₄ -mono-n-dodecyl	
NDF0845 COA1070	Hexaethylene glycol-mono-n-dodecyl-d ₂₅	
NDF0847	Hexaethylene glycol-d ₂₄	
NDF0825	d-Lauryl-tetraethylene glycol TED (d-C12-(EO) ₃)	
NDF0870	Tetraethylene glycol-h ₁₆ -dimethylether-d ₆	
NDF0879	Tetraethylene glycol-d ₁₆ -dimethylether-h ₆	
NDF0877	Tetraethylene glycol-h ₁₆ -dimethylether-d ₂₂	
COA1020	18-crown-6-d ₂₄	

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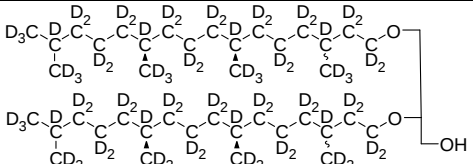
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Glycerides

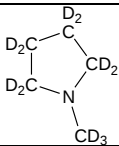
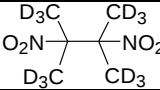
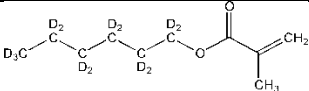
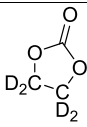
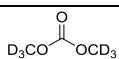
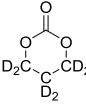
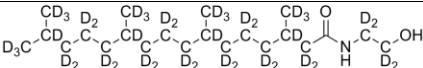
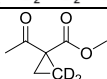
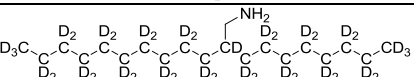
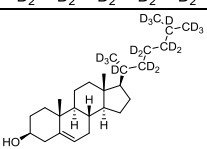
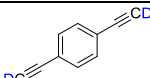
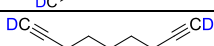
Product code	Compound name	Chemical structure
COA0999	1-monoolein-d ₃₂ GMO-d ₃₂	
COA0944 COA0945 COA1069	1-monoolein-d ₃₇ GMO-d ₃₇	
NDF0853	Medium chain triglyceride Capric acid-d ₁₉ at Sn2	
NDF0854	Medium chain triglyceride di-capric acid-d ₃₈ at Sn1&3	
NDF0861	1,2-di-oleoyl-d ₆₄ -glycerol	
COA0896	tripalmitin-d ₉₃	
COA0993	triolein-d ₉₆	
COA1006	triolein-d ₁₀₁	
COA0998	2-monopalmititin-d ₃₁	

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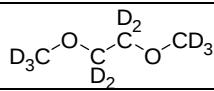
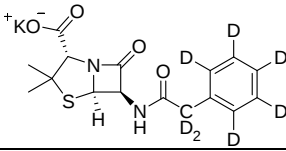
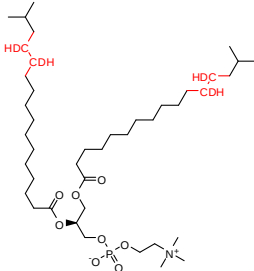
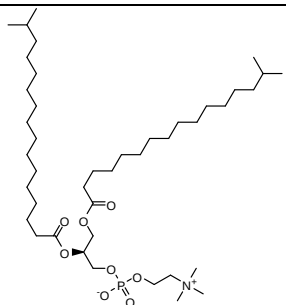
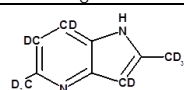
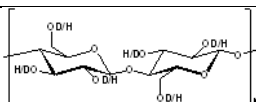
NDF0873	GDPE-d	
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Other

Product code	Compound name	Chemical structure
NDF0802	N-methyl Pyrrolidine-d ₁₁	
NDF0816	DMNB-d ₁₂	
NDF0826	monomer d-hexyl-h-methacrylate d- ₁₃	
COA0899 COA1018 COA0911 COA0925 COA1018 COA1035 COA0985	ethylene carbonate-d ₄	
COA0983 COA1019	Dimethyl carbonate-d ₆	
COA1075, COA1077	Trimethylene carbonate-d ₆	
COA0907	phytanoyl monoethylamine-d ₄₃	
COA0912 COA0918	methyl-1-acetylcyclopropane-d ₂ carboxylate	
COA0943	DL-Alanine-d ₇	
COA0951	2-octyl dodecylamine-d ₃₉	
Various	Cholesterol-d ₁₈	
COA0980	1,4-Diethynylbenzene-d ₂	
COA0981	1,8-nonadiyne-d ₂	
COA0984	1,3-dioxolone-d ₆	

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Product code	Compound name	Chemical structure
COA0986	1,2-dimethoxy ethane d ₁₀	
COA0992	benzyl penicillin-d ₇	
COA1004	d ₂ -isoheptadecanoic phosphotidyl choline	
COA1005	h ₂ -isoheptadecanoic phosphotidyl choline	
COA1016	2,5-dimethyl-4-azaindole-d ₉	
COA0145	cellulose nanocrystal-OD	
COA1057	DOTMA-d ₇₀	