



CIL

Cambridge Isotope Laboratories, Inc.  
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RESEARCH PRODUCTS

# Stable Isotope-Labeled Basic Starting Materials

With over 30 years of synthetic experience, Cambridge Isotope Laboratories, Inc. (CIL) offers you:

- Expertise and quality service from your initial quote request through delivery of your order.
- Flexibility of scale for custom and catalog products from milligram to multi-kilogram quantities.
- A large selection of labeled compounds, including deuterated reagents and solvents.
- cGMP suite for manufacture of clinical trial grade materials (CTM).
- Quantity discounts are available.



Product #	Description	Isotope	Size
CLM-173	Acetaldehyde	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
DLM-112	Acetaldehyde	(D <sub>4</sub> , 99%)	5 g
CLM-2483	Acetanilide	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g
CLM-6152	Acetanilide	(carbonyl- <sup>13</sup> C, 99%)	
CLM-105	Acetic Acid	(1,2- <sup>12</sup> C <sub>2</sub> , 99.95%)	
CLM-1160	Acetic Anhydride	(2,2'- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CLM-1161	Acetic Anhydride	(1,1',2,2'- <sup>13</sup> C <sub>4</sub> , 99%)	1 g
CLM-1306	Acetone	(1,3- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CLM-1334	Acetone	( <sup>13</sup> C <sub>3</sub> , 99%)	1 g
CLM-245	Acetone	(2- <sup>13</sup> C, 99%)	1 g
CLM-1242	Acetonitrile	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CLM-1260	Acetonitrile	(1- <sup>13</sup> C, 99%)	1 g
CLM-1588	Acetonitrile	(2- <sup>13</sup> C, 99%)	1 g
NLM-175	Acetonitrile	( <sup>15</sup> N, 98%+)	0.5 g
CDLM-6208	Acetyl Chloride	( <sup>13</sup> C <sub>2</sub> , 99%; D <sub>3</sub> , 98%)	0.25 g
CLM-246	Acetyl Chloride	(1- <sup>13</sup> C, 99%)	5 g
CLM-703	Acetyl Chloride	(2- <sup>13</sup> C, 99%)	1 g
CLM-704	Acetyl Chloride	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
DLM-247	Acetyl Chloride	(D <sub>3</sub> , 98%)	10 g
DNLM-7744	Ammonium Acetate	(D <sub>7</sub> , 98%; <sup>15</sup> N, 98%)	
NLM-177	Ammonium Acetate	( <sup>15</sup> N, 98%+)	1 g
NLM-1320	Ammonium Hydroxide	( <sup>15</sup> N, 98%+) (3.3 N in H <sub>2</sub> O)	5 g of solution
NLM-3929	Ammonium Hydroxide	( <sup>15</sup> N, 98%+) (6 N in H <sub>2</sub> O)	5 g of solution
CLM-714	Aniline	( <sup>13</sup> C <sub>6</sub> , 99%)	0.25 g
CNLM-4805	Aniline	( <sup>13</sup> C <sub>6</sub> , 98%+; <sup>15</sup> N, 98%+)	
NLM-1314	Aniline	( <sup>15</sup> N, 98%+)	1 g
CLM-1337	Anisole	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	
CLM-466	Barium Carbonate	( <sup>13</sup> C, 98%+)	5 g
CLM-180	Benzaldehyde	(ring- <sup>13</sup> C <sub>6</sub> , 99%) +0.1% hydroquinone	0.5 g
CLM-4231	Benzamide	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	
CLM-182	Benzene	( <sup>13</sup> C <sub>6</sub> , 99%)	0.5 g
DLM-1	Benzene -D <sub>6</sub>	(D, 99.5%)	100 g
CLM-1813	Benzoic Acid	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	0.5 g
CLM-657	Benzoic Acid	(carboxyl- <sup>13</sup> C, 99%)	5 g
CLM-2298	Benzyl Alcohol	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g
DLM-494	Biphenyl	(D <sub>10</sub> , 98%)	1 g
DLM-1945	Bis(2-Chloroethoxy) Methane	(chloroethoxy-D <sub>8</sub> , 98%)	0.1 g
DLM-1315	Borane	(D <sub>3</sub> , 98%) (1 molar in THF) (+0.005M NABD <sub>4</sub> )	0.25 L
DLM-4747	Borane Methylsulfide Complex	(D <sub>3</sub> , 99%)	5 g
CLM-1339	Bromoacetic Acid	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	5 g
CLM-723	Bromoacetic Acid	(1- <sup>13</sup> C, 99%)	5 g
CLM-724	Bromoacetic Acid	(2- <sup>13</sup> C, 99%)	5 g
CLM-871	Bromobenzene	( <sup>13</sup> C <sub>6</sub> , 99%)	0.5 g
DLM-398	Bromobenzene	(D <sub>5</sub> , 99%)	25 g
CLM-730	Carbon Disulfide	( <sup>13</sup> C, 97-99%) <i>Air freight forbidden</i>	1 g
CLM-1829	Chlorobenzene	( <sup>13</sup> C <sub>6</sub> , 99%)	
DLM-263	Chlorobenzene-D <sub>5</sub>	(D, 99%)	5 g
CNLM-7289	Cyanamide	( <sup>13</sup> C, 99%; <sup>15</sup> N <sub>2</sub> , 98%) (stabilized with < 0.1% acetic acid)	
DLM-4	Deuterium Oxide	(D, 99.9%)	1000 g
CLM-1340	1,4-Dibromobenzene	( <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g

Product #	Description	Isotope	Size
CLM-1585	Diethyl Acetamidomalonate	(2- <sup>13</sup> C, 99%)	1 g
CNLM-6677	Diethyl Acetamidomalonate	(1,2,3- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	
NLM-3421	Diethyl Acetamidomalonate	( <sup>15</sup> N, 98%)	
CLM-4324	Diethyl Acetylenedicarboxylate	(1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)	
CLM-4915	Diethyl Adipate	(adipate- <sup>13</sup> C <sub>6</sub> , 99%)	
CLM-3603	Diethyl Malonate	(1,2,3- <sup>13</sup> C <sub>3</sub> , 99%)	0.5 g
CLM-495	Diethyl Malonate	(2- <sup>13</sup> C, 99%)	1 g
CLM-521	Diethyl Malonate	(1,3- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CDLM-7163	Diethyl Succinate	(1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%; 2,2,3,3-D <sub>4</sub> , 98%)	
CLM-1620	Diethyl Succinate	(1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)	
CLM-4914	Dimethyl Adipate	(adipate- <sup>13</sup> C <sub>6</sub> , 99%)	
DLM-3903	Dimethyl Carbonate	(D <sub>6</sub> , 99%)	1 g
CLM-266	Dimethyl Sulfate	( <sup>13</sup> C <sub>2</sub> , 99%) <i>Air freight forbidden</i>	1 g
DLM-196	Dimethyl Sulfate	(D <sub>6</sub> , 98%)	
CLM-1121	Ethyl Acetate	(2- <sup>13</sup> C, 99%)	1 g
CLM-1122	Ethyl Acetate	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CLM-131	Ethyl Acetate	(1- <sup>13</sup> C, 99%)	1 g
CLM-3297	Ethyl Acetoacetate	(1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)	1 g
CLM-1009	Ethyl Bromoacetate	(1- <sup>13</sup> C, 99%)	1 g
CLM-1010	Ethyl Bromoacetate	(2- <sup>13</sup> C, 99%)	1 g
CLM-1011	Ethyl Bromoacetate	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CDLM-6202	Ethyl Formate	(formyl- <sup>13</sup> C, 99%; formyl-D, 98%)	
CLM-806	Formaldehyde	( <sup>13</sup> C, 99%) (~20% w/w in H <sub>2</sub> O)	1 g
DLM-805	Formaldehyde	(D <sub>2</sub> , 98%) (~20% w/w in D <sub>2</sub> O)	20 mL of solution
CDLM-4599	Formaldehyde	(20% w/w in D <sub>2</sub> O) ( <sup>13</sup> C, 99%; D <sub>2</sub> , 98%)	1 mL of solution
CLM-2032	Formamide	( <sup>13</sup> C, 99%)	1 g
CDLM-6062	Fumaric Acid	(1- <sup>13</sup> C, 99%; 2,3-D <sub>2</sub> , 99%)	
CLM-4454	Fumaric Acid	(1,4- <sup>13</sup> C <sub>2</sub> , 99%)	
CLM-6169	Fumaric Acid, Disodium Salt	(1,4- <sup>13</sup> C <sub>2</sub> , 99%)	
NLM-352	Hydrazine Sulfate	( <sup>15</sup> N <sub>2</sub> , 98%+)	1 g
CLM-1321	4-Hydroxybenzaldehyde	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g
DLM-1679	Hydroxylamine•DCl	(D <sub>4</sub> , 99%)	
NLM-426	Hydroxylamine•HCl	( <sup>15</sup> N, 98%+)	1 g
CLM-1892	Iodoethane	(2- <sup>13</sup> C, 99%) + copper wire	
CLM-741	Iodoethane	(1,2- <sup>13</sup> C <sub>2</sub> , 99%) + copper wire	0.5 g
DLM-1023	Iodoethane	(1,1-D <sub>2</sub> , 98%) + copper wire	5 g
DLM-1024	Iodoethane	(2,2,2-D <sub>3</sub> , 98%) + copper wire	5 g
DLM-272	Iodoethane	(D <sub>5</sub> , 99%) + copper wire	5 g
CLM-4714	Isopropanol	(2- <sup>13</sup> C, 99%)	0.5 g
CLM-6117	Isopropanol	( <sup>13</sup> C <sub>3</sub> , 99%)	
CLM-1362	Isovanillic Acid	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	
DLM-356	Lithium Aluminum Deuteride	(D <sub>4</sub> , 98%)	1 g
CLM-7548	L-Phenyl Glycine	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	
DLM-1981	Methanesulfonic Acid	(D <sub>4</sub> , 97-98%)	5 g
CDLM-688	Methanol	( <sup>13</sup> C, 99%; D <sub>4</sub> , 99%)	1 g
CLM-359	Methanol	( <sup>13</sup> C, 99%)	1 g
CLM-753	Methyl Formate	(carboxyl- <sup>13</sup> C, 99%)	
DLM-651	Methyl Formate	(formyl-D, 99%)	5 g
CDLM-1037	Methyl Iodide + Copper Wire	( <sup>12</sup> C, 99.95%; D <sub>3</sub> , 99.5%)	1 g
CDLM-1537	Methyl Iodide + Copper Wire	( <sup>13</sup> C, 99%; D <sub>3</sub> , 99%)	1 g

Product #	Description	Isotope	Size
CDLM-6015	<b>Methyl Iodide + Copper Wire</b>	( <sup>13</sup> C, 99%; D <sub>2</sub> , 98%)	
DLM-362	<b>Methyl Iodide + Copper Wire</b>	(D <sub>3</sub> , 99.5%)	5 g
CLM-287	<b>Methyl Iodide + Copper Wire</b>	( <sup>13</sup> C, 99%)	1 g
CLM-3386	<b>Methylmalonic Acid</b>	(1,3- <sup>13</sup> C <sub>2</sub> , 99%)	
CLM-360	<b>Methylamine•HCl</b>	( <sup>13</sup> C, 99%)	1 g
DLM-289	<b>Methylamine•HCl</b>	(methyl-D <sub>3</sub> , 98%)	1 g
CLM-6842	<b>Morpholine</b>	( <sup>13</sup> C <sub>4</sub> , 99%)	
DLM-3484	<b>Morpholine</b>	(2,2,3,3,5,5,6,6-D <sub>8</sub> , 98%)	1 g
CLM-675	<b>Nitrobenzene</b>	( <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g
NLM-1042	<b>Nitrobenzene</b>	( <sup>15</sup> N, 98%+)	1 g
CLM-1043	<b>Nitromethane</b>	( <sup>13</sup> C, 99%)	1 g
NLM-600	<b>Nitromethane</b>	( <sup>15</sup> N, 98%+)	1 g
DLM-295	<b>2-Nitrophenol</b>	(ring-D <sub>4</sub> , 98%)	0.1 g
DLM-296	<b>4-Nitrophenol</b>	(ring-D <sub>4</sub> , 98%)	0.1 g
CLM-2002	<b>Oxalic Acid</b>	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	0.5 g
CDLM-1050	<b>Paraformaldehyde</b>	( <sup>12</sup> C, 99.95%; D <sub>2</sub> , 98%)	
CDLM-2702	<b>Paraformaldehyde</b>	( <sup>13</sup> C, 99%; D <sub>2</sub> , 98%)	1 g
CLM-229	<b>Paraformaldehyde</b>	( <sup>13</sup> C, 99%)	1 g
DLM-300	<b>Paraformaldehyde</b>	(D <sub>2</sub> , 99%)	5 g
CLM-6158	<b>Paraformaldehyde – <sup>13</sup>C Depleted</b>	( <sup>12</sup> C, 99.95%)	
CLM-216	<b>Phenol</b>	( <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g
DLM-370	<b>Phenol</b>	(D <sub>6</sub> , 98%)	5 g
OLM-1057	<b>Phosphoric Acid</b>	( <sup>18</sup> O <sub>4</sub> , 96%) 80-85% in <sup>18</sup> O water	1 g
DLM-788	<b>Phthalic Anhydride</b>	(D <sub>4</sub> , 98%)	0.5 g
NLM-6081	<b>Phthalimide</b>	( <sup>15</sup> N, 98%+)	
CLM-297	<b>Potassium Cyanide</b>	( <sup>13</sup> C, 99%)	1 g
CNLM-1961	<b>Potassium Cyanide</b>	( <sup>13</sup> C, 99%; <sup>15</sup> N, 98%+)	1 g
NLM-111	<b>Potassium Cyanide</b>	( <sup>15</sup> N, 98%+)	1 g
NLM-367	<b>Potassium Phthalimide</b>	( <sup>15</sup> N, 98%+)	5 g
CLM-6200	<b>P-Toluidine</b>	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	
DLM-226	<b>Sodium Borodeuteride</b>	(D <sub>4</sub> , 99%) CP 90-95%	1 g
CLM-378	<b>Sodium Cyanide</b>	( <sup>13</sup> C, 99%) CP 96%	1 g
NLM-3005	<b>Sodium Cyanide</b>	( <sup>15</sup> N, 98%+) CP 96%	
CLM-6157	<b>Sodium Cyanide – <sup>13</sup>C Depleted</b>	( <sup>12</sup> C, 99.95%) CP 96%	
CDLM-6203	<b>Sodium Formate</b>	( <sup>13</sup> C, 99%; D, 98%)	
CLM-583	<b>Sodium Formate</b>	( <sup>13</sup> C, 99%)	1 g
DLM-1361	<b>Sodium Formate</b>	(D, 98%)	5 g
NLM-658	<b>Sodium Nitrite</b>	( <sup>15</sup> N, 98%+)	1 g
CLM-2440	<b>Sodium Pyruvate</b>	( <sup>13</sup> C <sub>3</sub> , 99%)	1 g
CLM-1084	<b>Succinic Acid</b>	(1,4- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CLM-1199	<b>Succinic Acid</b>	(2,3- <sup>13</sup> C <sub>2</sub> , 99%)	1 g
CLM-2473	<b>Succinic Anhydride</b>	(1,2,3,4- <sup>13</sup> C <sub>4</sub> , 99%)	0.1 g
CLM-6069	<b>Toluene</b>	(ring- <sup>13</sup> C <sub>6</sub> , 99%)	0.1 g
CLM-4833	<b>Triethyl Orthoacetate</b>	(1,2- <sup>13</sup> C <sub>2</sub> , 99%)	0.5 g
CLM-3742	<b>Triethyl Orthoformate</b>	(formyl- <sup>13</sup> C, 99%)	0.5 g

CP = chemical purity

