

# New Environmental Products

## new Pharmaceutical and Personal Care Products (PPCP)

CIL has developed many new isotopically labeled standards to help reduce the difficulties associated with Pharmaceutical and Personal Care Products (PPCP) analysis, such as analyte recovery determination and ion suppression. The list continues to grow, so please inquire if you have need for specific labeled standards.

CATALOG #	COMPOUND	AMOUNT
CNLM-3726-1.2	<b>Acetaminophen</b> (acetyl- <sup>13</sup> C <sub>2</sub> ,99%; <sup>15</sup> N,98%+) 100 µg/mL in acetonitrile	1.2 mL
ULM-7629-1.2	<b>Acetaminophen</b> (unlabeled) 100 µg/mL in acetonitrile	1.2 mL
CNLM-7539-1.2	<b>Ciprofloxacin</b> (2,3,carboxyl- <sup>13</sup> C <sub>3</sub> ,99%; <sup>15</sup> N,98%) 100 µg/mL in acetonitrile	Please inquire
ULM-7710-1.2	<b>Ciprofloxacin</b> (unlabeled) 100 µg/mL in acetonitrile	Please inquire
CLM-3672-1.2	<b>Erythromycin</b> (N,N-dimethyl- <sup>13</sup> C <sub>2</sub> ,~90%) 100 µg/mL in acetonitrile	1.2 mL
CLM-7407-1.2	<b>Amoxicillin:3H<sub>2</sub>O</b> (phenyl- <sup>13</sup> C <sub>6</sub> ,99%) 100 µg/mL in acetonitrile	Please Inquire
CLM-6944-1.2	<b>Sulfamethoxazole</b> (ring- <sup>13</sup> C <sub>6</sub> ,99%) 100 µg/mL in acetonitrile	1.2 mL
ULM-7527-1.2	<b>Sulfamethoxazole</b> (unlabeled) 100 µg/mL in acetonitrile	1.2 mL
CDLM-7665-1.2	<b>Naproxen</b> (methyl- <sup>13</sup> C,99%;methyl-D <sub>3</sub> ,98%) 100 µg/mL in acetonitrile	1.2 mL
ULM-7709-1.2	<b>Naproxen</b> (unlabeled) 100 µg/mL in acetonitrile	1.2 mL

## new PAH Metabolites

As investigations into PAH exposure become more comprehensive, analysis of PAH Metabolites is embraced by more laboratories. CIL continues to add to our PAH metabolite offerings, and welcomes suggestions for other products.

CATALOG #	COMPOUND	AMOUNT
CLM-7299-1.2	<b>3-Hydroxybenzo[<i>a</i>]pyrene</b> ( <sup>13</sup> C <sub>3</sub> ,99%) 50 µg/mL in toluene	1.2 mL
ULM-7581-1.2	<b>3-Hydroxybenzo[<i>a</i>]pyrene</b> (unlabeled) 50 µg/mL in toluene	1.2 mL
CLM-6890-1.2	<b>3-Hydroxy-dibenz[<i>a,h</i>]anthracene</b> ( <sup>13</sup> C <sub>6</sub> ,99%) 50 µg/mL in acetonitrile	1.2 mL

Several additional new PAH Metabolites are in production. Please inquire for more details.

## new Flame Retardants and Related Compounds

CIL now offers a full suite of standard cocktails for EPA's Draft Method 1614. In addition, with the industry moving away from traditional BFRs to less scrutinized products, CIL continues to develop standards to meet the needs of new research.

CATALOG #	COMPOUND	AMOUNT
EO-5279	<b>Method 1614 Calibration Solutions</b> ( <sup>13</sup> C <sub>12</sub> ,99%/unlabeled) CS1-CS5	5 x 0.2 mL
EO-5278	<b>Method 1614 Native PAR Stock Solution</b> (unlabeled)	1.2 mL
EO-5277	<b>Method 1614 Labeled Surrogate Stock Solution</b> ( <sup>13</sup> C <sub>12</sub> ,99%)	1.2 mL
EO-5276	<b>Method 1614 Labeled Clean-up Stock Solution</b> ( <sup>13</sup> C <sub>12</sub> ,99%)	1.2 mL
EO-5275	<b>Method 1614 Labeled Injection Internal Stock Solution</b> ( <sup>13</sup> C <sub>12</sub> ,99%)	1.2 mL
EO-5317	<b>Method 1614 Secondary Native PAR Solution A</b>	1.2 mL
EO-5318	<b>Method 1614 Secondary Native PAR Solution B</b>	1.2 mL
ULM-7375-1.2	<b>1,2-bis(pentabromophenyl)ethane</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
ULM-7595-1.2	<b>1,2-bis(2,4,6-tribromophenoxy)ethane</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
ULM-7607-1.2	<b>Hexabromobenzene</b> (unlabeled) 100 µg/mL in toluene	1.2 mL
ULM-7606-1.2	<b>Tetrachlorobisphenol A</b> (unlabeled) 50 µg/mL in methanol	1.2 mL

## new BDE Metabolites

Analysis of BDE Metabolites as a measure of human and animal exposure has become an interesting research area, requiring the development of pertinent metabolite standards.

CATALOG #	COMPOUND	AMOUNT
OHBDDE-5206-1.2	<b>6-Hydroxy-2,2',4,4'-TetraBDE</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
OHBDDE-5212-1.2	<b>4'-Hydroxy-2,2',4,5'-TetraBDE</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
OHBDDE-5214-1.2	<b>6'-Hydroxy-2,2',4,5'-TetraBDE</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
OHBDDE-5228-1.2	<b>6-Hydroxy-2,2',4,4',5-PentaBDE</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
MEOBDE-5153-1.2	<b>2'-Methoxy-2,3',4,5'-TetraBDE</b> (unlabeled) 50 µg/mL in nonane	1.2 mL
MEOBDE-5205-1.2	<b>6-Methoxy-2,2',4,4'-TetraBDE</b> (unlabeled) 50 µg/mL in nonane	1.2 mL

Several additional new BDE Metabolites are in production. Please inquire for more details.



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*Additional New Products  
are listed on the reverse.*



## new Hydroxy PCBs

While PCB analysis shows no sign of slowing down, interest in PCB Metabolites as a measure of human and animal exposure has become an interesting research area.

CATALOG #	COMPOUND	AMOUNT
OHCB-5114-1.2	<b>4'-OH-3,3',4,5'-TetraCB</b> ( <sup>13</sup> C <sub>12</sub> , 99%) 50 µg/mL in nonane	1.2 mL

Several additional new PCB Metabolites are in production. Please inquire for more details.

## new Phthalate Metabolites

Phthalate esters, still among the most ubiquitous plasticizers, exist in virtually all environmental matrices. Phthalate monoesters are common Phthalate Metabolites, and CIL adds these to its growing list of offerings.

CATALOG #	COMPOUND	AMOUNT
ULM-7393	<b>Mono-n-pentyl phthalate</b> (unlabeled) 100 µg/mL in acetonitrile	Please inquire
ULM-7394	<b>Monocyclohexyl phthalate</b> (unlabeled) 100 µg/mL in acetonitrile	Please inquire
ULM-7395	<b>Monoisopropyl phthalate</b> (unlabeled) 100 µg/mL in acetonitrile	Please inquire

Several additional new PAH Metabolites are in production. Please inquire for more details.

## new Pesticides and Metabolites

For years, CIL has synthesized isotopically labeled Pesticides and Metabolites for exposure analysis. Listed below are some of our recent additions.

CATALOG #	COMPOUND	AMOUNT
CLM-7528	<b>Desethyl Desisopropyl Atrazine</b> ( <sup>13</sup> C <sub>3</sub> , 99%)	Please inquire
CLM-7531	<b>Endosulfan Sulfate</b> ( <sup>13</sup> C, 99%)	Please inquire
CLM-4544-1.2	<b>Phorate</b> (diethoxy- <sup>13</sup> C <sub>4</sub> , 99%) 100 µg/mL in acetonitrile	1.2 mL
ULM-7567-1.2	<b>Phorate</b> (unlabeled) 100 µg/mL in acetonitrile	1.2 mL
CLM-7140	<b>Bendiocarb</b> ( <sup>13</sup> C <sub>3</sub> , 99%)	Please inquire
DLM-7141	<b>Propoxur</b> (isopropyl-D <sub>7</sub> , 98%)	Please inquire
DLM-7149	<b>Methamidophos</b> (dimethyl-D <sub>6</sub> , 98%)	Please inquire
DLM-7150	<b>Oxydemeton methyl</b> (di-O-methyl-D <sub>6</sub> , 98%)	Please inquire
DLM-7151	<b>Dimethoate</b> (O,O-dimethyl-D <sub>6</sub> , 98%)	Please inquire
DLM-7152	<b>Bensulide</b> (isopropoxy-D <sub>14</sub> , 98%)	Please inquire
DLM-7153	<b>Chlorpyrifos methyl</b> (dimethyl -D <sub>6</sub> , 98%)	Please inquire
DLM-7183	<b>Disulfoton</b> (di-O-ethyl-D <sub>10</sub> , 98%)	Please inquire

## new Priority Pollutants

More Priority Pollutants get added to analyte lists each year, and as guidelines become more stringent, isotopically labeled standards help resolve many analytical issues.

CATALOG #	COMPOUND	AMOUNT
CLM-7341	<b>p-Cresol</b> (ring- <sup>13</sup> C <sub>6</sub> , 99%)	Please inquire
CLM-2145-1.2	<b>Hexachloro-1,3-butadiene</b> ( <sup>13</sup> C <sub>4</sub> , 99%) 100 µg/mL in isooctane	1.2 mL
NLM-7647-S	<b>N-Nitrosodimethylamine</b> ( <sup>15</sup> N <sub>2</sub> , 98%) 1 mg/mL in methylene chloride	1 mL
DLM-7658	<b>1-Amino-2-propanol</b> (chem purity 90-95%) (D <sub>9</sub> , 98%) (contains 2-amino-1-propanol)	Please inquire
DLM-7663	<b>Triethanolamine</b> (D <sub>15</sub> , 98%)	Please inquire
DLM-299-S	<b>2,4-Dinitrophenol</b> (wetted with 15-20% D <sub>2</sub> O) (ring-D <sub>3</sub> , 98%)	Please inquire

## new Halogenated benzenes, phenols, and anisoles

CATALOG #	COMPOUND	AMOUNT
CLM-7488	<b>2,3,4-Tribromophenol</b> ( <sup>13</sup> C <sub>6</sub> , 99%)	Please inquire
DLM-7506	<b>2,4,6-Tribromophenol</b> (3,5-D <sub>2</sub> , 98%)	Please inquire
ULM-7597-1.2	<b>Pentachloronitrobenzene</b> (unlabeled) 100 µg/mL in nonane	1.2 mL
ULM-7598-1.2	<b>1,2,4,5-Tetrachlorobenzene</b> (unlabeled) 100 µg/mL in isooctane	1.2 mL
ULM-7599-1.2	<b>1,2,3,5-Tetrachlorobenzene</b> (unlabeled) 100 µg/mL in isooctane	1.2 mL
ULM-7600-1.2	<b>2,4,6-Trichlorophenol</b> (unlabeled) 100 µg/mL in methanol	1.2 mL
ULM-7605-1.2	<b>Pentachloroanisole</b> (unlabeled) 100 µg/mL in toluene	1.2 mL
ULM-7603-1.2	<b>2,6-Dibromophenol</b> (unlabeled) 100 µg/mL in toluene	1.2 mL
ULM-4210-1.2	<b>2,4,6-Tribromophenol</b> (unlabeled) 100 µg/mL in toluene	1.2 mL

## new CLP SOW SOM01 Standards

The next generation of EPA's CLP Volatile/Semivolatile testing protocols, SOW SOM01.1, has been published, and CIL has formulated DMC standard mixtures to meet the requirements of these methods.

CATALOG #	COMPOUND	AMOUNT
ES-5286	<b>CLP SOM Volatiles Non-Ketone</b> DMC stock solution 100 µg/mL in methanol-D <sub>4</sub>	1 mL
ES-5286-10X	<b>CLP SOM Volatiles Non-Ketone</b> DMC 10x stock solution 1,000 µg/mL in methanol-D <sub>4</sub>	1 mL
ES-5287	<b>CLP SOM Volatiles Ketone</b> DMC stock solution 500 µg/mL in methanol-D <sub>4</sub>	0.5 mL
ES-5287-10X	<b>CLP SOM Volatiles Ketone</b> DMC 10x stock solution 5,000 µg/mL in methanol-D <sub>4</sub>	0.5 mL
ES-5288	<b>CLP SOM Volatiles 1,4-Dioxane</b> DMC stock solution 1,250 µg/mL in methanol	1 mL
ES-5288-10X	<b>CLP SOM Volatiles 1,4-Dioxane</b> DMC 10x stock solution 12,500 µg/mL in methanol	1 mL