



Chlorodibenzo-*p*-dioxin Congeners

The Environmental Protection Agency published its final rule regulating dioxin-containing waste in the Federal Register - Volume 5, 1978-1979, January 14, 1985.

Chlorodibenzo-*p*-dioxin congeners (in 1 mL of solvent, unless otherwise noted) Minimum purity 98%

COMPOUND	CAS NO.	NEAT CAT. NO.	PRICE/QTY.	SOLUTION CAT. NO.	CONC./SOLV.	PRICE
2-Amino-7,8-dibromodibenzo- <i>p</i> -dioxin				X-011	0.1 mg/mL in Toluene	\$ 50
1-Chlorodibenzo- <i>p</i> -dioxin	39227-53-7	D-101N	\$ 54 / 25 mg	D-101S	50 µg/mL in Isooctane	15
2-Chlorodibenzo- <i>p</i> -dioxin	39227-54-8	D-102N	54 / 50 mg	D-102S	50 µg/mL in Isooctane	15
Dibenzo- <i>p</i> -dioxin	262-12-4	D-100N	44 / 10 mg			
1,2-Dichlorodibenzo- <i>p</i> -dioxin				D-207S	50 µg/mL in Isooctane	40
1,3-Dichlorodibenzo- <i>p</i> -dioxin		D-205N	180 / 10 mg	D-205S	50 µg/mL in Isooctane	20
1,4-Dichlorodibenzo- <i>p</i> -dioxin		D-206N	180 / 10 mg	D-206S	50 µg/mL in Isooctane	20
1,6-Dichlorodibenzo- <i>p</i> -dioxin	38178-38-0	D-201N	70 / 5 mg	D-201S	50 µg/mL in Isooctane	30
2,3-Dichlorodibenzo- <i>p</i> -dioxin	29446-15-9	D-202N	130 / 5 mg	D-202S	50 µg/mL in Isooctane	20
2,7-Dichlorodibenzo- <i>p</i> -dioxin	33857-26-0	D-203N	95 / 25 mg	D-203S	50 µg/mL in Isooctane	20
2,8-Dichlorodibenzo- <i>p</i> -dioxin				D-204S	50 µg/mL in Isooctane	30
1,4-Dioxino(2,3,b,5,6,b')dipyridine	262-16-8	X-005	100 / 5 mg			
1,2,3,4,6,7,8-Heptachlorodibenzo- <i>p</i> -dioxin	35822-46-9	D-701N	250 / 1 mg	D-701S	50 µg/mL in Toluene	85
1,2,3,4,6,7,9-Heptachlorodibenzo- <i>p</i> -dioxin	58200-70-7	D-702N	200 / 5 mg	D-702S	50 µg/mL in Toluene	50
1,2,3,4,6,7-Hexachlorodibenzo- <i>p</i> -dioxin	58200-66-1	D-603N	900 / 1 mg	D-603S	50 µg/mL in Toluene	150
1,2,3,4,7,8-Hexachlorodibenzo- <i>p</i> -dioxin	39227-28-6	D-601N	350 / 5 mg	APP-9-169	5 µg/mL in Toluene	50
				D-601S	50 µg/mL in Toluene	50
1,2,3,6,7,8-Hexachlorodibenzo- <i>p</i> -dioxin	57653-85-7	D-602N	600 / 1 mg	D-602S	50 µg/mL in Toluene	85
1,2,4,6,7,9/1,2,4,6,8,9-Hexachlorodibenzo- <i>p</i> -dioxin	39227-62-8/ 58802-09-8	D-604N	400 / 1 mg	D-604S	50 µg/mL in Toluene	50
1,2,3,7,8,9-Hexachlorodibenzo- <i>p</i> -dioxin	19408-74-3	D-605N	700 / 1 mg	D-605S	50 µg/mL in Toluene	85
1,2,3,4,6,7,8,9-Octachlorodibenzo- <i>p</i> -dioxin	3268-87-9	D-801N	80 / 50 mg	D-801S	50 µg/mL in Toluene	15
1,2,3,4,7-Pentachlorodibenzo- <i>p</i> -dioxin	39227-61-7	D-503N	500 / 1 mg	D-503S	50 µg/mL in Toluene	150
1,2,3,7,8-Pentachlorodibenzo- <i>p</i> -dioxin	40321-76-4	D-501N	300 / 5 mg	APP-9-168	5 µg/mL in Toluene	50
				D-501S	50 µg/mL in Toluene	50
1,2,3,8,9-Pentachlorodibenzo- <i>p</i> -dioxin	71925-18-3	D-504N	900 / 1 mg	D-504S	50 µg/mL in Toluene	150
1,2,4,7,8-Pentachlorodibenzo- <i>p</i> -dioxin	58802-08-7	D-502N	300 / 5 mg	D-502S	50 µg/mL in Toluene	50
1,2,4,6,8/1,2,4,7,9-Pentachlorodibenzo- <i>p</i> -dioxin	71998-76-0/ 82291-37-0	D-505N	900 / 1 mg	D-505S	50 µg/mL in Toluene	85
1,2,3-Trichlorodibenzo- <i>p</i> -dioxin	54536-17-3	D-301N	130 / 5 mg	D-301S	50 µg/mL in Isooctane	30
1,2,4-Trichlorodibenzo- <i>p</i> -dioxin	39227-58-2	D-302N	130 / 10 mg	D-302S	50 µg/mL in Isooctane	15
1,7,8-Trichlorodibenzo- <i>p</i> -dioxin	82306-65-8	D-303N	70 / 5 mg	D-303S	50 µg/mL in Isooctane	30
2,3,7-Trichlorodibenzo- <i>p</i> -dioxin	33857-28-2	D-304N	250 / 5 mg	D-304S	50 µg/mL in Isooctane	30
2,3,7,8-Tetrabromodibenzo- <i>p</i> -dioxin	50585-41-6	X-001	150 / 1 mg			
1,2,3,4-Tetrachlorodibenzo- <i>p</i> -dioxin	30746-58-8	D-401N	150 / 50 mg	D-401S	50 µg/mL in Toluene	15
1,2,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	34816-53-0	D-402N	200 / 5 mg	D-402S	50 µg/mL in Toluene	50
1,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	50585-46-1	D-403N	250 / 5 mg	D-403S	50 µg/mL in Toluene	85
2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6	D-404N	175 / 1 mg	APP-9-167	5 µg/mL in Toluene	50
				M-613	10 µg/mL in Toluene	40
				D-404S	50 µg/mL in Toluene	50
1,3,6,8-Tetrachlorodibenzo- <i>p</i> -dioxin	33423-92-6	D-405N	200 / 5 mg	D-405S	50 µg/mL in Toluene	85
1,2,8,9-Tetrachlorodibenzo- <i>p</i> -dioxin	116889-69-1	D-406N	250 / 5 mg	D-406S	50 µg/mL in Toluene	50
1,3,7,9-Tetrachlorodibenzo- <i>p</i> -dioxin	116889-70-4	D-407N	200 / 5 mg	D-407S	50 µg/mL in Toluene	50
1,2,6,8-Tetrachlorodibenzo- <i>p</i> -dioxin	67323-56-2	D-408N	700 / 1 mg	D-408S	50 µg/mL in Toluene	85
1,2,6,7-Tetrachlorodibenzo- <i>p</i> -dioxin	41903-57-5	D-409N	200 / 5 mg	D-409S	50 µg/mL in Toluene	50

Canadian Environmental Method (Multi-Component Dioxin Mixtures) Calibration & Window Defining

Custom Window Defining Mixture

D-WD	20,000 ng/mL in Toluene	\$ 1,100 / 1 x 1 mL
D-WD-2.5X	50,000 ng/mL in Toluene	\$ 2,000 / 1 x 1 mL
		7 comps.

Custom Calibration Mixture

D-CAL	20,000 ng/mL in Toluene	\$ 900 / 1 x 1 mL
D-CAL-2.5X	50,000 ng/mL in Toluene	\$ 1,600 / 1 x 1 mL
		6 comps.

1,2,4,6,8/1,2,4,7,9-Pentachlorodibenzo-*p*-dioxin (Isomer pair)
 1,2,3,8,9-Pentachlorodibenzo-*p*-dioxin
 1,2,4,6,7,9/1,2,4,6,8,9-Hexachlorodibenzo-*p*-dioxin (Isomer pair)
 1,2,3,4,6,7-Hexachlorodibenzo-*p*-dioxin
 1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin
 1,2,3,4,6,7,9-Heptachlorodibenzo-*p*-dioxin
 Octachlorodibenzo-*p*-dioxin

1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin
 1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin
 1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin
 1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin
 1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin
 Octachlorodibenzo-*p*-dioxin

Above Formulated at Highest Possible Concentration for your economic benefit

For Isomer Mix used in Method 8280, see page 204

Chlorinated Dibenzofurans, Custom Synthesized Chemicals & Haloaromatic Ethers



Chlorinated Dibenzofuran Congeners

Chlorinated Dibenzofuran congeners (in 1 mL of solvent, unless otherwise noted). All compounds have a minimum purity of 98%.

COMPOUND	CAS NO.	NEAT CAT. NO.	PRICE/QTY.	SOLUTION CAT. NO.	CONC./SOLV.	PRICE
2-Chlorodibenzofuran	51230-49-0	-----	-----	F-102S	50 µg/mL in Isooctane	\$ 30
4-Chlorodibenzofuran	74992-96-4	-----	-----	F-104S	50 µg/mL in Isooctane	75
Dibenzofuran	132-64-9	F-100N	\$ 14 / 50 mg	F-100S	50 µg/mL in Isooctane	15
				APP-9-059	100 µg/mL in MeOH	12
				APP-9-059-2X	200 µg/mL in MeOH	10
				AS-E0261	5 mg/mL in MeOH	32
2,8-Dichlorodibenzofuran	5409-83-6	F-201N	65 / 10 mg	F-201S	50 µg/mL in Isooctane	30
1,2,3,4,6,7,8-Heptachlorodibenzofuran	38998-75-3	-----	-----	F-701S-0.1X	5 µg/mL in Toluene	75
		-----	-----	F-701S	50 µg/mL in Toluene	250
1,2,3,4,7,8-Hexachlorodibenzofuran	55684-94-1	-----	-----	APP-9-172	5 µg/mL in Toluene	75
3-Nitrodibenzofuran	5410-97-9	R-009N	30 / 5 mg	R-009S	100 µg/mL in Toluene	17
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	F-801N	30 / 50 mg	F-801S	50 µg/mL in Toluene	15
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	-----	-----	APP-9-171	5 µg/mL in Toluene	75
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	-----	-----	F-502S-0.1X	5 µg/mL in Toluene	75
1,2,3,4-Tetrachlorodibenzofuran	24478-72-6	-----	-----	F-401S	50 µg/mL in Toluene	125
1,3,6,8-Tetrachlorodibenzofuran	30402-14-3	-----	-----	F-403S	50 µg/mL in Toluene	75
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	F-402N	250 / 1 mg	APP-9-170	5 µg/mL in Toluene	75
				F-402S	50 µg/mL in Toluene	160
2,4,8-Trichlorodibenzofuran	54589-71-8	F-301N	125 / 5 mg	F-301S	50 µg/mL in Isooctane	50

Custom Synthesized Rare Chemicals

COMPOUND	CAS NO.	NEAT (unless noted) CAT. NO.	PRICE/QTY.
2-Amino-7,8-dibromo-dibenzo-p-dioxin	0.1 mg/mL in Toluene	X-011	\$ 50 / 1 mL
<i>m,m'</i> -bis(4-isopropylphenyl)urea	113260-74-5	X-012	20 / 10 mg
4-Chlorophenyl methyl sulfoxide	934-73-6	X-004	20 / 10 mg
4,6-Dinitro- <i>o</i> -toluidine	7477-94-3	X-002	20 / 10 mg
1,4-Dioxino(2,3-b:5,6-b')dipyridine (Dipyridine analog of dibenzo- <i>p</i> -dioxin)	262-16-8	X-005	100 / 5 mg
9-Methylacridine	611-64-3	X-008	30 / 10 mg
2,3,7,8-Tetrabromodibenzo- <i>p</i> -dioxin	50585-41-6	X-001	150 / 1 mg
3,3',4,4'-Tetrachloroazobenzene	14047-09-7	X-009	30 / 10 mg
3,3',4,4'-Tetrachloroazoxybenzene	21232-47-3	X-010	30 / 10 mg
N,N'-bis(2,4,6-Trichlorophenyl)urea	20632-35-3	X-003	20 / 10 mg

Haloethers

Haloethers (in 1 mL of solvent, 1.0 mg/mL in Isooctane)

COMPOUND	CAS NO.	SOLUTION CAT. NO.	PRICE/QTY.
4-Bromophenyl phenyl ether	101-55-3	E-001S	\$ 15
4-Chlorophenyl phenyl ether	7005-72-3	E-002S	15
2-Chlorophenyl-4-nitrophenyl ether	209-61-4	E-005S	15
3-Chlorophenyl-4-nitrophenyl ether	2303-23-3	E-006S	15
4-Chlorophenyl-4-nitrophenyl ether	1836-74-4	E-007S	15
2,4-Dichlorophenyl-3-methyl-4-nitrophenyl ether	42488-57-3	E-020S	15
2,3-Dichlorophenyl-4-nitrophenyl ether	82239-20-1	E-008S	15
2,4-Dibromophenyl-4-nitrophenyl ether	2671-93-4	E-004S	15
2,4-Dichlorophenyl-4-nitrophenyl ether	1836-75-5	E-009S	15
2,5-Dichlorophenyl-4-nitrophenyl ether	391-48-7	E-010S	15
2,6-Dichlorophenyl-4-nitrophenyl ether	2093-28-9	E-011S	15
3,4-Dichlorophenyl-4-nitrophenyl ether	22532-80-5	E-013S	15
3,5-Dichlorophenyl-4-nitrophenyl ether		E-012S	15
4-Nitrophenyl phenyl ether	620-88-2	E-003S	15
2,3,4-Trichlorophenyl-4-nitrophenyl ether		E-014S	15
2,3,5-Trichlorophenyl-4-nitrophenyl ether		E-015S	15
2,3,6-Trichlorophenyl-4-nitrophenyl ether		E-016S	15
2,4,5-Trichlorophenyl-4-nitrophenyl ether	22532-68-9	E-017S	15
2,4,6-Trichlorophenyl-4-nitrophenyl ether	1836-77-7	E-018S	15
3,4,5-Trichlorophenyl-4-nitrophenyl ether		E-019S	15

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