

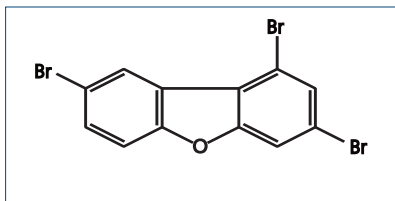


NEW PRODUCTS

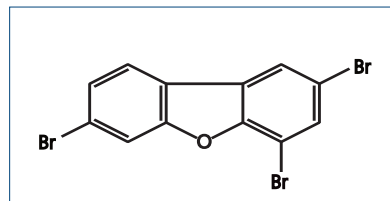
NEW NATIVE PBDDs AND PBDFs

Polybrominated dibenzo-p-dioxins and dibenzofurans (PBDDs/PBDFs) appear to be emerging as persistent organic pollutants that are ubiquitous in the environment. Available data seem to indicate that some brominated flame retardants (BFRs), such as brominated diphenyl ethers (PBDEs) and bromophenols, are converted into PBDDs/PBDFs by combustion (in accidental fires or during incineration), or during the recycling of materials containing them, or by environmental degradation. The steady increase in the use of BFRs has raised the level of environmental concern regarding PBDDs/PBDFs. There is also strong evidence suggesting that some PBDDs are produced naturally in the environment.

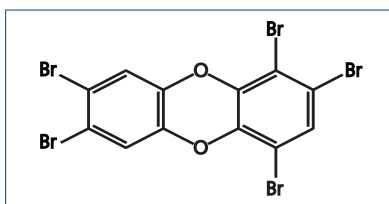
Current exposure data are very limited. The restricted availability of standards can present a challenge to this area of research. Accordingly, **Wellington** has now added three new native PBDDs/PBDFs to our product inventory.



1,3,8-Tribromodibenzofuran (BDF-138)



2,4,7-Tribromodibenzofuran (BDF-247)



1,2,4,7,8-Pentabromodibenzo-p-dioxin (BDD-12478)

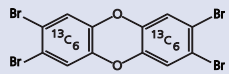
The availability of these additional PBDDs/PBDFs as reference standard solutions should help scientists to achieve a better understanding of the impact of these compounds on the environment.

Please contact your local distributor or info@well-labs.com for pricing and delivery.

NATIVE BROMINATED DIBENZO-p-DIOXINS (PBDDs)

Catalogue Number	Product (toluene solution)	Qty/Conc
BDD-1	1-Bromodibenzo-p-dioxin	1.2 ml 50 µg/ml
BDD-27/28	2,7/2,8-Dibromodibenzo-p-dioxin mix	1.2 ml 50 µg/ml
BDD-237	2,3,7-Tribromodibenzo-p-dioxin	1.2 ml 50 µg/ml
BDD-1234	1,2,3,4-Tetrabromodibenzo-p-dioxin	1.2 ml 50 µg/ml
BDD-1368/1379	1,3,6,8/1,3,7,9-Tetrabromodibenzo-p-dioxin mix	1.2 ml 50 µg/ml
BDD-1378	1,3,7,8-Tetrabromodibenzo-p-dioxin	1.2 ml 50 µg/ml
BDD-2378	2,3,7,8-Tetrabromodibenzo-p-dioxin	1.2 ml 50 µg/ml
BDD-12378	1,2,3,7,8-Pentabromodibenzo-p-dioxin	1.2 ml 50 µg/ml
NEW BDD-12478	1,2,4,7,8-Pentabromodibenzo-p-dioxin	1.2 ml 50 µg/ml
BDD-12346789	Octabromodibenzo-p-dioxin	1.2 ml 10 µg/ml

MASS-LABELLED BROMINATED DIBENZO-p-DIOXIN

Catalogue Number	Product
MBDD-2378	 <p>2,3,7,8-Tetrabromo[¹³C₁₂]dibenzo-p-dioxin 1.2 ml; 50 µg/ml (±2.5 µg/ml); in toluene; Isotopic purity; 99% or greater</p>

NATIVE BROMINATED DIBENZOFURANS (PBDFs)

Catalogue Number	Product (toluene solution)	Qty/Conc
BDF-4	4-Bromodibenzofuran	1.2 ml 50 µg/ml
BDF-27 (95%)	2,7-Dibromodibenzofuran	1.2 ml 47.5 µg/ml
BDF-28	2,8-Dibromodibenzofuran	1.2 ml 50 µg/ml
NEW BDF-138	1,3,8-Tribromodibenzofuran	1.2 ml 50 µg/ml
BDF-238	2,3,8-Tribromodibenzofuran	1.2 ml 50 µg/ml
NEW BDF-247	2,4,7-Tribromodibenzofuran	1.2 ml 50 µg/ml
BDF-1278	1,2,7,8-Tetrabromodibenzofuran	1.2 ml 50 µg/ml
BDF-2378	2,3,7,8-Tetrabromodibenzofuran	1.2 ml 50 µg/ml
BDF-12378	1,2,3,7,8-Pentabromodibenzofuran	1.2 ml 50 µg/ml
BDF-23478	2,3,4,7,8-Pentabromodibenzofuran	1.2 ml 50 µg/ml
BDF-1234678	1,2,3,4,6,7,8-Heptabromodibenzofuran	1.2 ml 25 µg/ml
BDF-12346789	Octabromodibenzofuran	1.2 ml 25 µg/ml

