

Dibenzo[b,e][1,4]dioxine

Chemical Properties

CAS No. :	262-12-4
Formula:	C12H8O2
Molecular Weight:	184.191
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

Biological Description

Description	Dibenzo[b,e][1,4]dioxine can cause various toxic effects through the aryl hydrocarbon receptor (AHR) in vertebrates and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	AhR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4292 mL	27.1459 mL	54.2918 mL
5 mM	1.0858 mL	5.4292 mL	10.8584 mL
10 mM	0.5429 mL	2.7146 mL	5.4292 mL
50 mM	0.1086 mL	0.5429 mL	1.0858 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nguyen HT, et al. Strain differences in the proteome of dioxin-sensitive and dioxin-resistant mice treated with 2,3,7,8-tetrabromodibenzo-p-dioxin. Arch Toxicol. 2017 Apr;91(4):1763-1782.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481