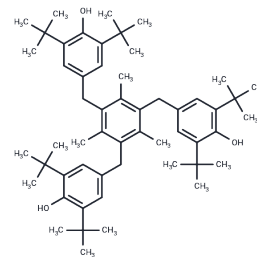


Ionox 330

Chemical Properties

CAS No. :	1709-70-2
Formula:	C54H78O3
Molecular Weight:	775.20
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	Ionox 330 (Ahydol) is an alkylphenol compound used as an antioxidant.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 6.5 mg/mL (8.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.290 mL	6.4499 mL	12.8999 mL
5 mM	0.258 mL	1.290 mL	2.580 mL
10 mM	0.129 mL	0.645 mL	1.290 mL
50 mM	0.0258 mL	0.129 mL	0.258 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

Dreassi E, Bonifacio M, Corti P. Evaluation of release of antioxidant from high density polyethylene by planar chromatography. Food Addit Contam. 1998 May-Jun;15(4):466-72. PubMed PMID: 9764217.

Wright AS, Crowne RS, Potter D. The fate of 1,3,5-tri(3,5-di-tert.-butyl-4-hydroxybenzyl)-2,4,6-trimethylbenzene (Ionox 330) in rats fed the compound over a prolonged period. Xenobiotica. 1972 Jan;2(1):7-23. PubMed PMID: 4671668.

WRIGHT AS, CROWNE RS, HATHWAY DE. THE FATE OF 2,4,6-TRI-(3',5'-DI-TERT.-BUTYL-4'-HYDROXYBENZYL) MESITYLENE (IONOX 330) IN THE DOG AND RAT. Biochem J. 1965 Apr;95:98-103. PubMed PMID: 14333573; PubMed Central PMCID: PMC1215182.

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