

5,7-Dimethoxy-2-benzofuran-1(3H)-one

Chemical Properties

CAS No. :	3465-69-8
Formula:	C10H10O4
Molecular Weight:	194.184
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	5,7-Dimethoxy-2-benzofuran-1(3H)-one is a phthalide isolated from Italian waxflower with good anti-inflammatory activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 6.25 mg/mL (32.19 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	5.1499 mL	25.7493 mL	51.4986 mL
5 mM	1.030 mL	5.1499 mL	10.2997 mL
10 mM	0.515 mL	2.5749 mL	5.1499 mL
50 mM	0.103 mL	0.515 mL	1.030 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

Singh M, et al. Chemoselective coupling reactions of 5,7-dimethoxyphthalide with the remotely functionalized alkyl iodides: facile racemic synthesis of Helicobacter pylori antibiotics. J Org Chem. 2010;75(9):3121-3124.

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