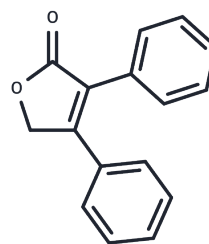


3,4-Diphenyl-5H-furan-2-one

Chemical Properties

CAS No. :	5635-16-5
Formula:	C ₁₆ H ₁₂ O ₂
Molecular Weight:	236.27
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	3,4-Diphenyl-5H-furan-2-one (3,4-diphenyl-2H-furan-5-one) is a marine derived natural products found in <i>Aspergillus flavipes</i> .
Targets(IC50)	Others, COX

Solubility Information

Solubility	DMSO: 50 mg/mL (211.62 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	4.2324 mL	21.1622 mL	42.3245 mL
5 mM	0.8465 mL	4.2324 mL	8.4649 mL
10 mM	0.4232 mL	2.1162 mL	4.2324 mL
50 mM	0.0846 mL	0.4232 mL	0.8465 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

Bai ZQ, et al. New phenyl derivatives from endophytic fungus *Aspergillus flavipes* AIL8 derived of mangrove plant *Acanthus ilicifolius*. *Fitoterapia*. 2014 Jun;95:194-202.

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