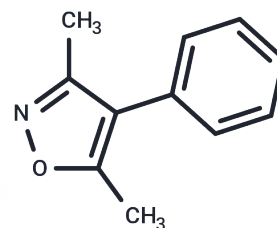


3,5-dimethyl-4-phenyl-1,2-oxazole

Chemical Properties

CAS No. :	4345-46-4
Formula:	C ₁₁ H ₁₁ NO
Molecular Weight:	173.21
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	3,5-dimethyl-4-phenyl-1,2-oxazole is a heterocyclic compound used as a molecular structural unit. It has anti-inflammatory, anti-tumor, anti-bacterial and anti-fungal activity, as well as the ability to modulate the immune system.
Targets(IC50)	Others,Antifungal

Solubility Information

Solubility	DMSO: 50 mg/mL (288.67 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	5.7733 mL	28.8667 mL	57.7334 mL
5 mM	1.1547 mL	5.7733 mL	11.5467 mL
10 mM	0.5773 mL	2.8867 mL	5.7733 mL
50 mM	0.1155 mL	0.5773 mL	1.1547 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

Zhao L, et al. Fragment-based drug discovery of 2-thiazolidinones as inhibitors of the histone reader BRD4 bromodomain. J Med Chem. 2013 May 23;56(10):3833-51.

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