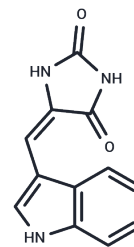


5-[(1H-indol-3-yl)methylidene]imidazolidine-2,4-dione

Chemical Properties

CAS No. :	5453-51-0
Formula:	C ₁₂ H ₉ N ₃ O ₂
Molecular Weight:	227.22
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	5-[(1H-indol-3-yl)methylidene]imidazolidine-2,4-dione ((4Z)-4-(1H-indol-3-ylmethylidene)-4H-imidazole-2,5-diol) is a marine derived natural products found in <i>Leptopsammia pruvoti</i> .
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (242.06 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	4.401 mL	22.0051 mL	44.0102 mL
5 mM	0.8802 mL	4.401 mL	8.802 mL
10 mM	0.4401 mL	2.2005 mL	4.401 mL
50 mM	0.088 mL	0.4401 mL	0.8802 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

Pedro Molina, et al. Iminophosphorane-mediated imidazole ring formation: A new and general entry to aplysinopsin-type alkaloids of marine origin. *Tetrahedron Lett.* 1994;50(7): 2241-2254

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