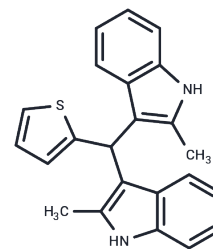


1H-Indole, 3,3'-(2-thienylmethylene)bis[2-methyl-

Chemical Properties

CAS No. :	138801-72-6
Formula:	C23H20N2S
Molecular Weight:	356.48
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	1H-Indole, 3,3'-(2-thienylmethylene)bis[2-methyl- can be used as a broad-spectrum antimicrobial agent with inhibitory activity against Aspergillus niger Bacillus subtilis, Pseudomonas albicans, Escherichia coli and Staphylococcus aureus. 1H-Indole, 3,3'-(2-thienylmethylene) bis[2-methyl- showed anti-inflammatory activity in in vitro experiments and can be used to treat bacterial infections.
Targets(IC50)	Antibacterial, Antifungal

Solubility Information

Solubility	DMSO: 55 mg/mL (154.29 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	2.8052 mL	14.026 mL	28.0521 mL
5 mM	0.561 mL	2.8052 mL	5.6104 mL
10 mM	0.2805 mL	1.4026 mL	2.8052 mL
50 mM	0.0561 mL	0.2805 mL	0.561 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

Nagre D T, et al. Synthesis, in-silico potential enzymatic target predictions, pharmacokinetics, toxicity, anti-microbial and anti-inflammatory studies of bis-(2-methylindolyl) methane derivatives. Current Enzyme Inhibition. 2021; 17(2): 127-143.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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