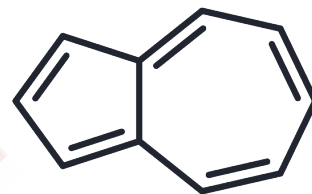


Azulene

Chemical Properties

CAS No. :	275-51-4
Formula:	C ₁₀ H ₈
Molecular Weight:	128.17
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Azulene (Bicyclo[5.3.0]Decapentaene) is a natural product.
Targets(IC50)	HIV Protease

Solubility Information

Solubility	DMSO: 10 mg/mL (78.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (7.8 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.8021 mL	39.0107 mL	78.0214 mL
5 mM	1.5604 mL	7.8021 mL	15.6043 mL
10 mM	0.7802 mL	3.9011 mL	7.8021 mL
50 mM	0.156 mL	0.7802 mL	1.5604 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

Damrongrungruang T, Kitchindaopat N, Thanasothon P. et al. Effects of photodynamic therapy with azulene on peripheral blood mononuclear cell viability and singlet oxygen formation. Photodiagnosis Photodyn Ther. 2018 Dec;24:318-323.

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