

Coumarin 7

Chemical Properties

CAS No. : 27425-55-4

Formula: C₂₀H₁₉N₃O₂

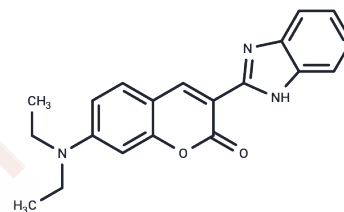
Molecular Weight: 333.38

Storage:

Keep away from direct sunlight, Keep away from moisture

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	Coumarin 7 is a natural product.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (30 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	2.9996 mL	14.9979 mL	29.9958 mL
5 mM	0.5999 mL	2.9996 mL	5.9992 mL
10 mM	0.300 mL	1.4998 mL	2.9996 mL
50 mM	0.060 mL	0.300 mL	0.5999 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

Satpati A K , Kumbhakar M , Nath S , et al. Photophysical Properties of Coumarin-7 Dye: Role of Twisted Intramolecular Charge Transfer State in High Polarity Protic Solvents[J]. Photochemistry and Photobiology, 2009, 85 (1):119-129.

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