

CPM

Chemical Properties

CAS No. :	76877-33-3
Formula:	C ₂₄ H ₂₂ N ₂ O ₄
Molecular Weight:	402.44
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	CPM is a maleimide derivative and a blue-fluorescent thiol-reactive dye. CPM is a classic tool for detecting thiol groups in biochemistry and cell biology, with a maximum excitation wavelength of 387 nm and a maximum emission wavelength of 463 nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (49.7 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	2.4848 mL	12.4242 mL	24.8484 mL
5 mM	0.497 mL	2.4848 mL	4.9697 mL
10 mM	0.2485 mL	1.2424 mL	2.4848 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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.

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