

7-Diethylamino-3-N-(4-maleimidopropyl)carbamoylcoumarin

Chemical Properties

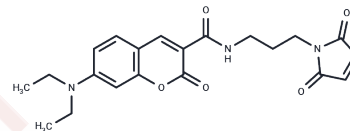
CAS No. : 160291-54-3

Formula: C₂₁H₂₃N₃O₅

Molecular Weight: 397.42

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	7-Diethylamino-3-N-(4-maleimidopropyl)carbamoylcoumarin is a versatile dye utilized across various fields. This compound is primarily important in biological experiments for observing and analyzing cell structures, tracking biomolecules, evaluating cell functions, distinguishing cell types, detecting biomolecules, studying tissue pathology, and monitoring microorganisms. Its applications extend beyond basic scientific research into clinical diagnostics. Additionally, it is employed in traditional industries like textile dyeing and in innovative areas including functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5162 mL	12.5811 mL	25.1623 mL
5 mM	0.5032 mL	2.5162 mL	5.0325 mL
10 mM	0.2516 mL	1.2581 mL	2.5162 mL
50 mM	0.0503 mL	0.2516 mL	0.5032 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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