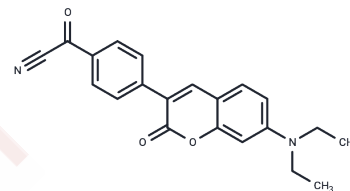


## 4-(7-Diethylaminocoumarin-3-yl)benzoyl cyanide

## Chemical Properties

CAS No. :	203256-20-6
Formula:	C <sub>21</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	346.38
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	4-(7-Diethylaminocoumarin-3-yl)benzoyl cyanide (DACB-CN) serves as a multifunctional dye crucial for a wide array of applications. This chemical compound is utilized extensively in biological experiments to monitor and analyze various cellular components and activities. It aids in observing cell structures, tracking biomolecules, assessing cell functions, differentiating cell types, detecting biomolecules, examining tissue pathology, and studying microorganisms. Beyond its scientific research applications, DACB-CN is also employed in traditional industries like textile dyeing and in innovative sectors, including functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.887 mL	14.435 mL	28.870 mL
5 mM	0.5774 mL	2.887 mL	5.774 mL
10 mM	0.2887 mL	1.4435 mL	2.887 mL
50 mM	0.0577 mL	0.2887 mL	0.5774 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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