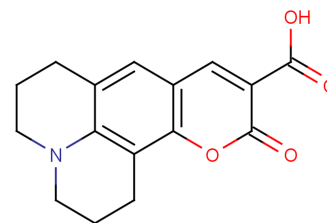


Coumarin343

Chemical Properties

CAS No. : 55804-65-4
Formula: C₁₆H₁₅NO₄
Molecular Weight: 285.29
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Coumarin343 inhibits monocarboxylic acid transporter protein 4 with IC ₅₀ values in the range of 0.01-100 µM. Coumarin343 exhibits anticancer and antibacterial activity. Coumarin343 is a coumarin dye.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5052 mL	17.526 mL	35.0521 mL
5 mM	0.701 mL	3.5052 mL	7.0104 mL
10 mM	0.3505 mL	1.7526 mL	3.5052 mL
50 mM	0.0701 mL	0.3505 mL	0.701 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.

Reference

McCree-Grey J, et al. Preferred Molecular Orientation of Coumarin 343 on TiO₂ Surfaces: Application to Dye-Sensitized Solar Cells. ACS Appl Mater Interfaces. 2015;7(30):16404-16409.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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