

4-Ethoxycoumarin

Chemical Properties

CAS No.:	35817-27-7
Formula:	C ₁₁ H ₁₀ O ₃
Molecular Weight:	190.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	4-Ethoxycoumarin has antimicrobial activity.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.258 mL	26.288 mL	52.576 mL
5 mM	1.052 mL	5.258 mL	10.515 mL
10 mM	0.526 mL	2.629 mL	5.258 mL
50 mM	0.105 mL	0.526 mL	1.052 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Wawzonek S , Nagler R C , Carlson L J . The Reaction of Grignard Reagents with 4-Hydroxy- and 4-Ethoxycoumarin[J]. Journal of the American Chemical Society, 2002, 76(4):1080-1082.

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