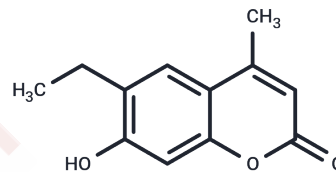


6-ethyl-7-hydroxy-4-methylchromen-2-one

Chemical Properties

CAS No. :	1484-73-7
Formula:	C ₁₂ H ₁₂ O ₃
Molecular Weight:	204.22
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	6-Ethyl-7-hydroxy-4-methylchromen-2-one is a fluorescent dye.
Targets(IC50)	Others
Cell Research	<p>1. Solution preparation</p> <p>1. Preparation of mother solution: Dissolve 6-ethyl-7-hydroxy-4-methylchromen-2-one in an appropriate solvent, such as PBS or DMSO, usually at a concentration of 1-10 mM.</p> <p>2. Preparation of working solution: Dilute the mother solution with PBS/DMEM/H₂O to a 1-10 μM working solution for later use.</p> <p>2. Cell staining and imaging:</p> <p>1. Add cell sample: Add the dissolved dye to the cell culture and incubate for a certain period of time (usually 30 minutes to 2 hours) so that the dye enters the cell and binds to the cell components.</p> <p>2. Wash and observe under a microscope: After washing away the excess dye with PBS, observe the fluorescence signal of the cell under a fluorescence microscope.</p> <p>3. Molecular probe experiment:</p> <p>1. Labeling molecules or probes: React the dye with the target molecule (such as protein, DNA, etc.) for labeling.</p> <p>2. Fluorescence detection: Detect the fluorescence signal of the target molecule through a fluorescence spectrometer or imaging system to analyze its properties or changes.</p> <p>IV. Drug screening experiment:</p> <p>1. Treat cells with drugs: incubate the drugs with cell samples.</p> <p>2. Add dye: after staining, observe the fluorescence changes of the drugs on cells.</p>

Solubility Information

Solubility	DMSO: < 2.04 mg/mL (10 mM, insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8967 mL	24.4834 mL	48.9668 mL
5 mM	0.9793 mL	4.8967 mL	9.7934 mL
10 mM	0.4897 mL	2.4483 mL	4.8967 mL
50 mM	0.0979 mL	0.4897 mL	0.9793 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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