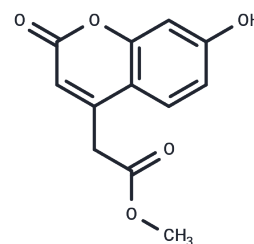


## Methyl 2-(7-hydroxy-2-oxo-2H-chromen-4-yl)acetate

### Chemical Properties

CAS No. :	15991-13-6
Formula:	C <sub>12</sub> H <sub>10</sub> O <sub>5</sub>
Molecular Weight:	234.21
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Methyl 2-(7-hydroxy-2-oxo-2H-chromen-4-yl)acetate is a coumarin derivative suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others
In vitro	The maximum absorption wavelength and maximum emission wavelength of Methyl 2-(7-hydroxy-2-oxo-2H-chromen-4-yl)acetate are 322 nm and 387 nm, respectively.[2]

### Solubility Information

Solubility	DMSO: 90 mg/mL (384.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2697 mL	21.3484 mL	42.6967 mL
5 mM	0.8539 mL	4.2697 mL	8.5393 mL
10 mM	0.427 mL	2.1348 mL	4.2697 mL
50 mM	0.0854 mL	0.427 mL	0.8539 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.

### Reference

Nascimento JSD, et al. Mapping the Biotransformation of Coumarins through Filamentous Fungi. *Molecules*. 2019 Sep 29;24(19).

Lizzul-Jurse A, et al. Readily functionalizable phosphonium-tagged fluorescent coumarins for enhanced detection of conjugates by mass spectrometry. *Org Biomol Chem*. 2016 Aug 10;14(32):7777-91.

Giovannini G, et al. Coumarin-based, switchable fluorescent substrates for enzymatic bacterial detection. *Talanta*. 2018 Oct 1;188:448-453.

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