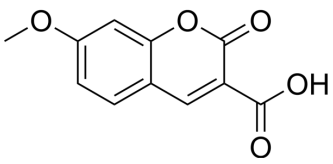
7-Methoxycoumarin-3-carboxylic acid

Cat. No.:	HY-W039519
CAS No.:	20300-59-8
Molecular Formula:	$C_{11}H_8O_5$
Molecular Weight:	220.18
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	7-Methoxycoumarin-3-carboxylic acid is a fluorescent dye with an excitation peak at 355 nm and an emission peak at 405 nm. 7-Methoxycoumarin-3-carboxylic acid can be used to label peptide[1].
In Vitro	7-Methoxycoumarin-3-carboxylic acid (compound 5) (100 μM; 72 h) shows non-toxic for K562, Daudi, RPMI-8226, and Jurkat cells with IC_{50}s of >100, >100, >100, >100 μM, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wiemer AJ, et al. Evaluation of a 7-Methoxycoumarin-3-carboxylic Acid Ester Derivative as a Fluorescent, Cell-Cleavable, Phosphonate Protecting Group. Chembiochem. 2016 Jan 1;17(1):52-5.

[2]. Mohamed-Anis Alouini, et al. Interaction of fluorescently labeled triethyleneglycol and peptide derivatives with β-cyclodextrin. Chemphyschem. 2014 Feb 24;15(3):444-57.

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