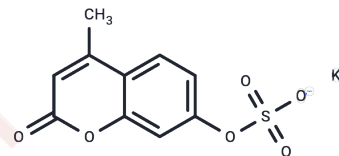


4-Methylumbelliferyl sulfate potassium

Chemical Properties

CAS No. :	15220-11-8
Formula:	C ₁₀ H ₇ KO ₆ S
Molecular Weight:	294.32
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	4-Methylumbelliferyl sulfate (potassium) is a fluorescent substrate widely used to identify sulfatase activity in biochemical and biomedical research. It features a sulfate group linked to a fluorescent molecule, cleaved by sulfatase enzymes to release a highly fluorescent product detectable via fluorescence microscopy or spectroscopy. This substrate enables precise detection and quantification of sulfatase enzymes across diverse biological samples.
Targets(IC50)	Others
In vitro	4-Methylumbelliferyl sulfate potassium salt is a biochemical reagent that can serve as a biological material or organic compound for use in life science research.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3977 mL	16.9883 mL	33.9766 mL
5 mM	0.6795 mL	3.3977 mL	6.7953 mL
10 mM	0.3398 mL	1.6988 mL	3.3977 mL
50 mM	0.068 mL	0.3398 mL	0.6795 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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