

4-Methylumbelliferyl palmitate

Chemical Properties

CAS No. : 17695-48-6

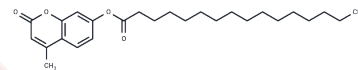
Formula: C₂₆H₃₈O₄

Molecular Weight: 414.58

Keep away from direct sunlight

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 palmitate serves as a potent fluorophore to assay acid lipase activity in human leukocytes, with its fluorescence significantly affected by acidity and solvent properties. In near-neutral aqueous solutions, it predominates in a neutral molecular form, emitting strong fluorescence at 445 nm, whereas in weakly alkaline solutions, it primarily exists in an anionic form, resulting in even stronger fluorescence at the same wavelength [1] [2].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4121 mL	12.0604 mL	24.1208 mL
5 mM	0.4824 mL	2.4121 mL	4.8242 mL
10 mM	0.2412 mL	1.206 mL	2.4121 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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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