

PFB-FDG

Chemical Properties

CAS No. : 209540-64-7

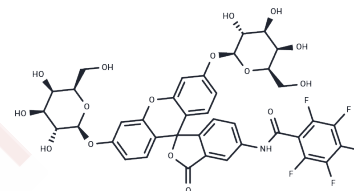
Formula: C₃₉H₃₂F₅N₂O₁₆

Molecular Weight: 865.66

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PFB-FDG is a non-fluorescent galactosidase substrate that can be hydrolyzed into the green fluorescent PFB-F (Ex=485 nm, Em=535 nm). It is used for measuring β -galactosidase activity.
Targets(IC50)	Others
In vitro	Measurement of β -galactosidase activity involves incubating 2×10^5 cells with 50 μ g/mL of PFB-FDG in serum-free DMEM containing 25 mM Hepes (pH 7.4) at 37°C for 2 hours. (Mononuclear cells, for example, may require different concentrations.) Wash the cells once with ice-cold PBS and analyze using flow cytometry (Ex=485 nm, Em=535 nm).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1552 mL	5.7759 mL	11.5519 mL
5 mM	0.231 mL	1.1552 mL	2.3104 mL
10 mM	0.1155 mL	0.5776 mL	1.1552 mL
50 mM	0.0231 mL	0.1155 mL	0.231 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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