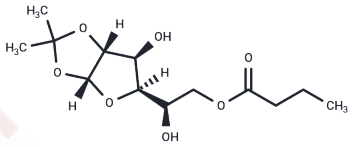
Data Sheet (Cat.No.T25389)

TargetMol

Esterbut-6

Chemical Properties



CAS No. : 125161-48-0

Formula: C13H22O7

Molecular Weight: 290.31

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	Esterbut-6 is a potent tumor cell proliferation inhibitor in vivo by stabilizes butyric acid.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4446 mL	17.223 mL	34.4459 mL
5 mM	0.6889 mL	3.4446 mL	6.8892 mL
10 mM	0.3445 mL	1.7223 mL	3.4446 mL
50 mM	0.0689 mL	0.3445 mL	0.6889 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

Planchon P, Magnien V, Beaupain R, Mainguene C, Ronco G, Villa P, Brouty-Boye D. Differential effects of butyrate derivatives on human breast cancer cells grown as organotypic nodules in vitro and as xenografts in vivo. In Vivo. 1992 Nov-Dec;6(6):605-10. PubMed PMID: 1296809.

Pouillart P, Cerutti I, Ronco G, Villa P, Chany C. Butyric monosaccharide ester-induced cell differentiation and anti-tumor activity in mice. Importance of their prolonged biological effect for clinical applications in cancer therapy. Int J Cancer. 1991 Aug 19;49(1):89-95. PubMed PMID: 1874576.

Planchon P, Raux H, Magnien V, Ronco G, Villa P, Crépin M, Brouty-Boyé D. New stable butyrate derivatives alter proliferation and differentiation in human mammary cells. Int J Cancer. 1991 May 30;48(3):443-9. PubMed PMID: 2040538.

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