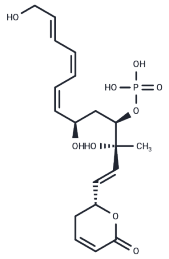
Data Sheet (Cat.No.T68458)

TargetMol

Fostriecin (free base)

Chemical Properties



CAS No. : 87810-56-8

Formula: C19H27O9P

Molecular Weight: 430.39

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	Fostriecin (free base) is an inhibitor of the serine/threonine protein phosphatases 2A (PP2A) and 4 (PP4) (IC50s = 3.2 and 3 nM, respectively). It less effectively inhibits topoisomerase II and PP1 (IC50s = 40 and 131 μM, respectively) and does not inhibit PP2B. Through its effects on protein phosphatases, fostriecin increases the level of histone H3 phosphorylation and may alter epigenetic regulation of cell proliferation. On a related note, fostriecin was first identified as an antitumor antibiotic.
Targets(IC50)	Others,Antibacterial,Antibiotic,Phosphatase,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3235 mL	11.6174 mL	23.2347 mL
5 mM	0.4647 mL	2.3235 mL	4.6469 mL
10 mM	0.2323 mL	1.1617 mL	2.3235 mL
50 mM	0.0465 mL	0.2323 mL	0.4647 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481