

Salaspermic acid

Chemical Properties

CAS No. : 71247-78-4

Formula: C₃₀H₄₈O₄

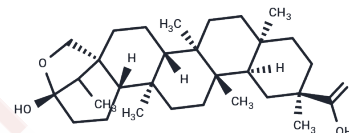
Molecular Weight: 472.7

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	Salaspermic acid, a triterpenoid isolated from the stem bark of Kokoona ochracea, is an inhibitor of HIV reverse transcriptase and HIV replication in H9 lymphocytes, and can be used to study HIV infection.
Targets(IC50)	HIV Protease
In vitro	Salaspermic acid possesses anti-inflammatory and antiviral activities, and it can serve as an inhibitor of HIV reverse transcriptase and HIV replication in H9 lymphocytes[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1155 mL	10.5775 mL	21.1551 mL
5 mM	0.4231 mL	2.1155 mL	4.231 mL
10 mM	0.2116 mL	1.0578 mL	2.1155 mL
50 mM	0.0423 mL	0.2116 mL	0.4231 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

Chen K, et al. Anti-aids agents, 6. Salaspermic acid, an anti-HIV principle from Tripterygium wilfordii, and the structure-activity correlation with its related compounds. J Nat Prod. 1992;55(3):340-346.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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