

Butyrospermol

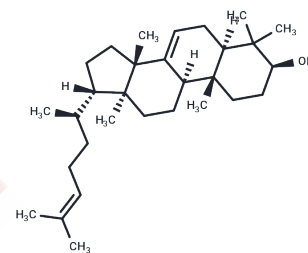
Chemical Properties

CAS No. : 472-28-6

Formula: C₃₀H₅₀O

Molecular Weight: 426.72

Storage: Store at low temperature, Keep away from direct sunlight
 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	Butyrospermol is a protolimonoid extracted from shea (Euphorbia). As a long-chain fatty acid ester first discovered from natural products, Butyrospermol has antifeedant and antitumor activities.
Targets(IC50)	Others
In vitro	Eleven compounds were isolated and identified as tirucalla-5,24-dien-3-ol (1), 24-methyltirucalla-5, 24-dien-3-ol (2), euphol (3), Butyrospermol (4), 24-methylenecycloartenol (5), cycloartenol (6), jolkinolid E (7) helioscopinolide A (8), isoscopoletion (9), dephnoretin (10), and 3, 3'-di-O-methylellagic acid 4'-O-beta-D-xylopyranoside (11). Compounds 1, 2, and 10 were isolated from the genus Euphorbia for the first time. Compounds 3, 4, and 11 were isolated from this species for the first time. Compounds 1, 8, 9, and 11 showed weak anti-HBsAg and anti-HBeAg activity, while compound 10 showed weak anti-HBsAg activity.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3435 mL	11.7173 mL	23.4346 mL
5 mM	0.4687 mL	2.3435 mL	4.6869 mL
10 mM	0.2343 mL	1.1717 mL	2.3435 mL
50 mM	0.0469 mL	0.2343 mL	0.4687 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

Yu M, et al. Anti-HBV constituents from Euphorbia fischeriana. China Journal of Chinese Materia Medica. 2010;35 (22):3002-3006.

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