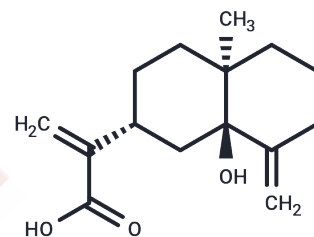


5 α -Hydroxycostic acid

Chemical Properties

CAS No. :	132185-83-2
Formula:	C ₁₅ H ₂₂ O ₃
Molecular Weight:	250.33
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	5 α -Hydroxycostic acid, a naturally occurring sesquiterpene, inhibits choroidal neovascularization in rats through dual signaling pathways mediated by VEGF/VEGFR and Ang2/Tie2 (angiopoietin 2), and exhibits anti-inflammatory and anti-angiogenic effects on human breast cancer cells
Targets(IC50)	Tie-2, VEGFR
In vitro	Methods: RCSEC cells were treated with 5 α -Hydroxycostic acid (25, 50, 100 μ M, 48 hours) and the inducing factor VEGF164 (30 μ M) was added. Cell viability was measured by CCK8. Results: The drug had a significant effect on cell viability at concentrations above 100 μ M. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9947 mL	19.9736 mL	39.9473 mL
5 mM	0.7989 mL	3.9947 mL	7.9895 mL
10 mM	0.3995 mL	1.9974 mL	3.9947 mL
50 mM	0.0799 mL	0.3995 mL	0.7989 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

Lei W, et al. 5 α -Hydroxycortic acid inhibits choroidal neovascularization in rats through a dual signalling pathway mediated by VEGF and angiotensin 2. Mol Med. 2023 Nov 1;29(1):151.

Lei W, Xu H, Yao H, et al. 5 α -Hydroxycortic acid inhibits choroidal neovascularization in rats through a dual signalling pathway mediated by VEGF and angiotensin 2. Molecular Medicine. 2023, 29(1): 1-13.

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