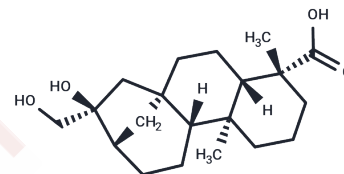


16beta,17-Dihydroxy-ent-kaurane-19-oic acid

Chemical Properties

CAS No. :	74365-74-5
Formula:	C ₂₀ H ₃₂ O ₄
Molecular Weight:	336.472
Storage:	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	16beta,17-Dihydroxy-ent-kaurane-19-oic acid as an anti-HIV principle, it showed significant activity against HIV replication in H9 lymphocyte cells with an EC ₅₀ value of 0.8 microgram/mL. It also possesses the activities of decompression and blood viscosity depression.
Targets(IC ₅₀)	HIV Protease
In vitro	Phytochemical analysis of the fruits of <i>Annona squamosa</i> yielded 12 known kaurane derivatives (1-11, 13) and two new kaurane diterpenoids, which have been named annosquamosin A (16 beta-hydroxy-17-acetoxy-ent-kauran-19-al) (12) and annosquamosin B (19-nor-ent-kaurane-4 alpha,16 beta,-17-triol) (14). The structures of the new compounds were established by spectral analyses and chemical evidence[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.972 mL	14.8602 mL	29.7203 mL
5 mM	0.5944 mL	2.972 mL	5.9441 mL
10 mM	0.2972 mL	1.486 mL	2.972 mL
50 mM	0.0594 mL	0.2972 mL	0.5944 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

Identification of ent-16 beta, 17-dihydroxykauran-19-oic acid as an anti-HIV principle and isolation of the new diterpenoids annosquamosins A and B from *Annona squamosa*. *J Nat Prod.* 1996 Jun;59(6):635-7.

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