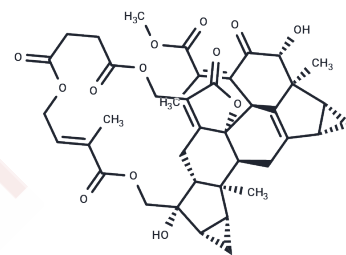


Shizukaol B

Chemical Properties

CAS No. :	142279-40-1
Formula:	C ₄₀ H ₄₄ O ₁₃
Molecular Weight:	732.77
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	Shizukaol B exerts anti-inflammatory effects in LPS-activated microglia partly by modulating JNK-AP-1 signaling pathway; it also shows significant anti-neuroinflammatory effects by inhibiting nitric-oxide (NO) production in lipopolysaccharide (LPS)-stimulated murine BV-2 microglial cells with relatively low cytotoxicity. Shizukaol B exhibits anti-HIV-1 replication activities in both wild-type HIV-1 and two NNRTIs-resistant strains, it also has significant cytotoxicities against C8166 cells. Shizukaol B prevents monocyte adhesion to HUVEC through the inhibition of cell adhesion molecules expression stimulated by TNF-alpha.
Targets(IC50)	ERK,NOS,NF-κB,HIV Protease,NO Synthase,COX,DNA/RNA Synthesis,IL Receptor, Interleukin,JNK,p38 MAPK,Prostaglandin Receptor,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3647 mL	6.8234 mL	13.6468 mL
5 mM	0.2729 mL	1.3647 mL	2.7294 mL
10 mM	0.1365 mL	0.6823 mL	1.3647 mL
50 mM	0.0273 mL	0.1365 mL	0.2729 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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