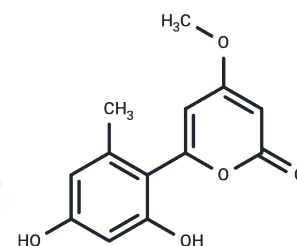


Aloenin aglycone

Chemical Properties

CAS No. :	59163-53-0
Formula:	C ₁₃ H ₁₂ O ₅
Molecular Weight:	248.23
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	Aloenin aglycone (compound 13), an inhibitor of NF-κB, can be sourced from aloe exudate. It impedes TNFα-stimulated NF-κB transcriptional activity, showing an IC ₅₀ of 18.7 μM. At a concentration of 10 μM, aloenin aglycone decreases both inducible nitric oxide synthase (iNOS) and intercellular adhesion molecule 1 (ICAM-1) gene expression in HepG2 cells exposed to 10 ng/mL TNFα [1].
Targets(IC50)	Others,NF-κB,NO Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0285 mL	20.1426 mL	40.2852 mL
5 mM	0.8057 mL	4.0285 mL	8.057 mL
10 mM	0.4029 mL	2.0143 mL	4.0285 mL
50 mM	0.0806 mL	0.4029 mL	0.8057 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

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