

## Siegeskaurolic acid

## Chemical Properties

CAS No. : 52645-97-3

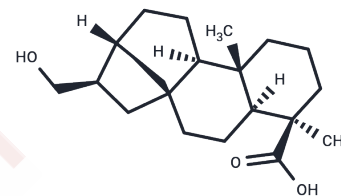
Formula: C<sub>20</sub>H<sub>32</sub>O<sub>3</sub>

Molecular Weight: 320.47

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	Siegeskaurolic acid exhibits anti-inflammatory and antinociceptive effects, which due to the inhibition of iNOS and COX-2 expression in RAW 264.7 macrophages via NF-kappaB inactivation.
Targets(IC50)	NOS,NF-κB,NO Synthase,COX,Prostaglandin Receptor,TNF
In vitro	Siegeskaurolic acid inhibits iNOS and COX-2 expression in RAW 264.7 macrophages via NF-kappaB inactivation[1].
In vivo	Pretreatment with Siegeskaurolic acid (20 or 30 mg/kg/day, p.o.) exhibited anti-inflammatory and antinociceptive effects in acetic acid-induced mouse models[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1204 mL	15.6021 mL	31.2042 mL
5 mM	0.6241 mL	3.1204 mL	6.2408 mL
10 mM	0.312 mL	1.5602 mL	3.1204 mL
50 mM	0.0624 mL	0.312 mL	0.6241 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

Park HJ, et al. Anti-inflammatory activities of ent-16alphaH,17-hydroxy-kauran-19-oic acid isolated from the roots of Siegesbeckia pubescens are due to the inhibition of iNOS and COX-2 expression in RAW 264.7 macrophages via NF-kappaB inactivation. Eur J Pharmacol. 2007 Mar 8;558(1-3):185-93.

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