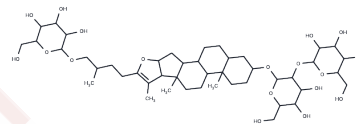


## anemarsaponin B

## Chemical Properties

CAS No. :	139051-27-7
Formula:	C45H74O18
Molecular Weight:	903.06
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	Anemarsaponin B has anti-inflammatory effect in LPS-treated RAW 264.7 macrophages, the effect is associated with the inhibition of NF-κB transcriptional activity, possibly via the p38 MAP kinase pathway. Anemarsaponin B can inhibit PAF-induced rabbit platelet aggregation in vitro.
Targets(IC50)	NF-κB, MEK, NO Synthase, COX, p38 MAPK

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (30.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1073 mL	5.5367 mL	11.0735 mL
5 mM	0.2215 mL	1.1073 mL	2.2147 mL
10 mM	0.1107 mL	0.5537 mL	1.1073 mL
50 mM	0.0221 mL	0.1107 mL	0.2215 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

Kim J Y, et al. Anti-inflammatory effect of anemarsaponin B isolated from the rhizomes of *Anemarrhena asphodeloides* in LPS-induced RAW 264.7 macrophages is mediated by negative regulation of the nuclear factor-kappaB and p38 pathways.[J]. *Food & Chemical Toxicology*, 2009, 47(7):1610-1617.

Dong J X, Han G Y. A new active steroidal saponin from *Anemarrhena asphodeloides*[J]. *Planta Medica*, 1991, 57 (05):460-462.

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