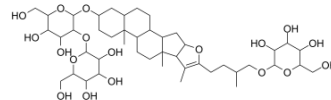


Anemarsaponin B

Cat. No.:	HY-N0811
CAS No.:	139051-27-7
Molecular Formula:	C ₄₅ H ₇₄ O ₁₈
Molecular Weight:	903.06
Target:	NO Synthase; COX; NF-κB
Pathway:	Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anemarsaponin B is a steroidal saponin isolated from the rhizomes of <i>A. asphodeloides</i> (Liliaceae). Anemarsaponin B decreases the protein and mRNA levels of iNOS and COX-2. Anemarsaponin B reduces the expressions and productions of pro-inflammatory cytokines, including TNF-α and IL-6. Anemarsaponin B inhibits the nuclear translocation of the p65 subunit of NF-κB by blocking the phosphorylation of IκBα. Anemarsaponin B also inhibits the phosphorylation of MAP kinase kinases 3/6 (MKK3/6) and mixed lineage kinase 3 (MLK3). Anti-inflammatory effect [1].		
IC₅₀ & Target	COX-2	p65	iNOS

REFERENCES

[1]. Kim JY, 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-κappaB and p38 pathways. *Food Chem Toxicol.* 2009 Jul;47(7):1610-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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