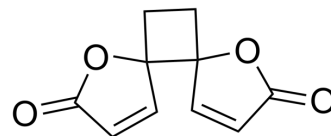


## (Rac)-Anemonin

Cat. No.:	HY-N0278A
CAS No.:	90921-11-2
Molecular Formula:	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>
Molecular Weight:	192.17
Target:	PKC; NO Synthase
Pathway:	Epigenetics; TGF-beta/Smad; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(Rac)-Anemonin ((Rac)-Pulsatilla camphor) is the diastereoisomer of Anemonin (HY-N0278). Anemonin (Pulsatilla camphor), a selective iNOS inhibitor, is also a PKC- $\theta$  inhibitor. Anemonin can significantly inhibit the translation or protein stability of PKC- $\theta$  protein. Anemonin also ameliorates dextran sodium sulfate-induced acute ulcerative colitis (UC) in mice. Anemonin can be used in the research of inflammation-related diseases<sup>[1][2]</sup>.

### REFERENCES

- [1]. Jiang L, et al. Anti-inflammatory effects of anemonin on acute ulcerative colitis via targeted regulation of protein kinase C- $\theta$ . *Chin Med*. 2022 Mar 28;17(1):39.
- [2]. Lee TH, et al. Anemonin, from *Clematis crassifolia*, potent and selective inducible nitric oxide synthase inhibitor. *J Ethnopharmacol*. 2008 Mar 28;116(3):518-27.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA