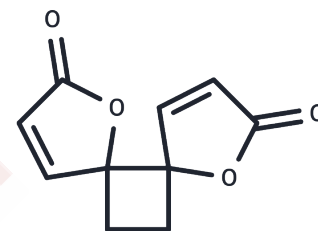


(Rac)-Anemonin

Chemical Properties

CAS No. :	90921-11-2
Formula:	C ₁₀ H ₈ O ₄
Molecular Weight:	192.17
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	(Rac)-Anemonin is the racemic form of anemonin and is used in research within the life sciences. Anemonin is a natural furanone dimer that modulates tyrosinase-related proteins and mRNA in human melanocytes.
Targets(IC50)	Others,NO Synthase,PKC
In vitro	Human articular chondrocytes and cartilage explants challenged with interleukin-1 β (IL-1 β) were treated with (Rac)-Anemonin. (Rac)-Anemonin treatment attenuated proteoglycan loss in human cartilage explants treated with IL-1 β ex vivo. (Rac)-Anemonin delayed articular cartilage degeneration in vitro[1].
In vivo	Destabilization of the medial meniscus (DMM) was performed in 10-week-old male C57BL/6J mice. (Rac)-Anemonin was then intra-articularly injected into the joint capsule for 8 and 12 weeks. (Rac)-Anemonin delayed articular cartilage degeneration in vivo. (Rac)-Anemonin decre

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2037 mL	26.0186 mL	52.0373 mL
5 mM	1.0407 mL	5.2037 mL	10.4075 mL
10 mM	0.5204 mL	2.6019 mL	5.2037 mL
50 mM	0.1041 mL	0.5204 mL	1.0407 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

Wang Z , Huang J , Zhou S , et al. Anemonin attenuates osteoarthritis progression through inhibiting the activation of IL-1 β /NF- κ B pathway[J]. Journal of Cellular and Molecular Medicine, 2017.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481