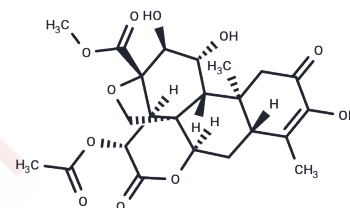


bruceine B

Chemical Properties

CAS No. :	25514-29-8
Formula:	C ₂₃ H ₂₈ O ₁₁
Molecular Weight:	480.5
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Bruceine B, a potent inhibitor of leukocyte-endothelial cell adhesion, may have anti-inflammatory activity, it can inhibit neutrophil adhesion to lipopolysaccharide-stimulated HUVEC and T cell adhesion to TNF-stimulated HUVEC.
Targets(IC50)	Parasite, TNF
In vivo	Leukocyte adhesion to vascular endothelial cells is an essential step in the development of inflammatory diseases. Inhibitors of leukocyte-endothelial cell adhesion that could be used as anti-inflammatory drugs and found that bruceine B (0.2 microgram/ml; 0.44 microM) inhibited human neutrophil or T cell adhesion to tumor necrosis factor-alpha (TNF) stimulated human umbilical vein endothelial cells (HUVEC).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0812 mL	10.4058 mL	20.8117 mL
5 mM	0.4162 mL	2.0812 mL	4.1623 mL
10 mM	0.2081 mL	1.0406 mL	2.0812 mL
50 mM	0.0416 mL	0.2081 mL	0.4162 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

Utoguchi N, Nakata T, Cheng H H, et al. Bruceine B, A Potent Inhibitor of Leukocyte-Endothelial Cell Adhesion[J]. Inflammation, 1997, 21(2):223-233.

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