

Sibiriquinone A

Chemical Properties

CAS No. :	723300-08-1
Formula:	C ₁₉ H ₂₀ O ₂
Molecular Weight:	280.36
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	Sibiriquinone A is a diterpene which can be extracted from <i>Veronicastrum sibiricum</i> . Sibiriquinone A exerts immunosuppressive activity and can be used for relevant research. Sibiriquinone A is therefore applied in immunological signaling research systems to study diterpene-mediated immune modulation, cytokine response regulation, and immune suppression-associated pathway analysis in cellular models.
Targets(IC50)	Immunology/Inflammation related
In vitro	Methods: Lymphocytes were treated with Sibiriquinone A at 5-80 μ M for 72 h to investigate its influence on lymphocyte transformation. Results: Sibiriquinone A inhibited lymphocyte transformation in a dose-dependent manner [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5668 mL	17.8342 mL	35.6684 mL
5 mM	0.7134 mL	3.5668 mL	7.1337 mL
10 mM	0.3567 mL	1.7834 mL	3.5668 mL
50 mM	0.0713 mL	0.3567 mL	0.7134 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

Gao W, Zhang R, Jia W, Zhang J, Takaishi Y, Duan H. Immunosuppressive diterpenes from *Veronicastrum sibiricum*. Chem Pharm Bull (Tokyo). 2004 Jan;52(1):136-7.

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