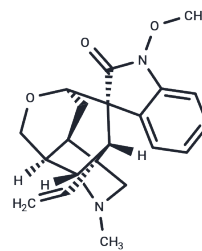


Gelsevirine

Chemical Properties

CAS No. :	38990-03-3
Formula:	C ₂₁ H ₂₄ N ₂ O ₃
Molecular Weight:	352.43
Storage:	Store at low temperature 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	Gelsevirine, a novel STING-specific inhibitor, is an alkaloid from <i>Gelsemium elegans</i> with anxiolytic and antiproliferative activities that inhibits interferon and inflammatory cytokine induction in macrophages exposed to STING agonists, and attenuates STING-related inflammation in sepsis.
Targets(IC50)	STING
In vitro	Gelsevirine inhibits the dimerization and subsequent activation of STING induced by 2'3'-cGAMP; Gelsevirine also induces K48-linked ubiquitination and degradation of STING, which may be achieved through upregulation and recruitment of TRIM21[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8374 mL	14.1872 mL	28.3744 mL
5 mM	0.5675 mL	2.8374 mL	5.6749 mL
10 mM	0.2837 mL	1.4187 mL	2.8374 mL
50 mM	0.0567 mL	0.2837 mL	0.5675 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

Chen Y, et al. Gelsevirine is a novel STING-specific inhibitor and mitigates STING-related inflammation in sepsis. *Front Immunol.* 2023 Jul 31;14:1190707.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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