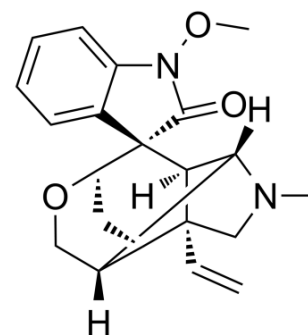


Gelsevirine

Cat. No.:	HY-N3940
CAS No.:	38990-03-3
Molecular Formula:	C ₂₁ H ₂₄ N ₂ O ₃
Molecular Weight:	352.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Gelsevirine is the major alkaloid in *Gelsemium elegans* with potent anxiolytic effects. The anxiolytic mechanism of Gelsevirine may be involved in the agonist action of the glycine receptor in the brain. Gelsevirine has anti-proliferation activity with IC₅₀ values of 1.41 mM and 1.22 mM for SW480 cells and MGC80-3 cells, respectively^{[1][2][3]}.

REFERENCES

- [1]. Hua-Hai Zhang, et al. Characterization of Gelsevirine Metabolites in Rat Liver S9 by Accurate Mass Measurements Using High-Performance Liquid chromatography/quadrupole-time-of-flight Mass Spectrometry. *Rapid Commun Mass Spectrom.* 2019 Jul 30;33(14):1179-1184.
- [2]. Ming Liu, et al. The Active Alkaloids of *Gelsemium Elegans* Benth. Are Potent Anxiolytics. *Psychopharmacology (Berl).* 2013 Feb;225(4):839-51.
- [3]. HUANG Jing, et al. Cytotoxic effects of alkaloidal compounds from *Gelsemium elegans* Benth on the tumor cells of digestive system in vitro. *Strait Pharmaceutical Journal*, 2010 , 22 (3) :197-200.

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

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