
Product Data Sheet

Product Name: Gelsevirine
Cat. No.: GC64257

Chemical Properties

Cas. No. 38990-03-3

Formula C₂₁H₂₄N₂O₃ M.Wt 352.43

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

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].

[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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