

Product Data Sheet

Product Name: Humantenmine

Cat. No.: GC39819

Chemical Properties

Cas. No. 82354-38-9

SMILES O=C1[C@]2([C@H](OC3)C[C@]4([H])[C@@]3([H])[C@@H](N=C4CC)C2)C5=CC=CC=C5N1OC

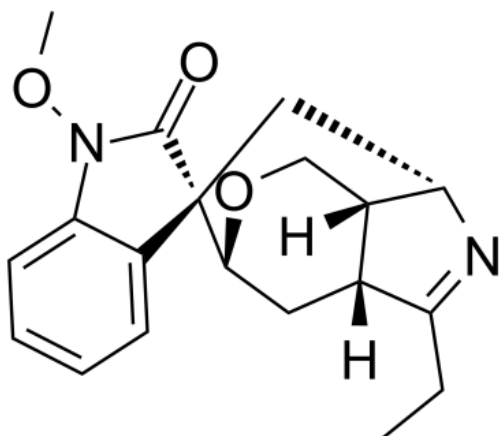
Formula $C_{19}H_{22}N_2O_3$ M.Wt 326.39

Solubility DMSO : 100 mg/mL (306.38 mM; Need ultrasonic) Storage 4°C, protect from light

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

Humantenmine, a new alkaloid isolated from *Gelsemium elegans* Benth in China, has the potential for pain and rheumatic arthritis treatment[1][2].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[1]. Kun Yang, et al. Development and In-House Validation of a Sensitive LC-MS/MS Method for Simultaneous Quantification of Gelsemine, Koumine and Humantenmine in Porcine Plasma. J Chromatogr B Analyt Technol Biomed Life Sci. 2018 Feb 15;1076:54-60. [2]. Rongjin Sun, et al. CYP3A4/5 Mediates the Metabolic Detoxification of Humantenmine, a Highly Toxic Alkaloid From Gelsemium Elegans Benth. J Appl Toxicol. 2019 Sep;39(9):1283-1292.

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