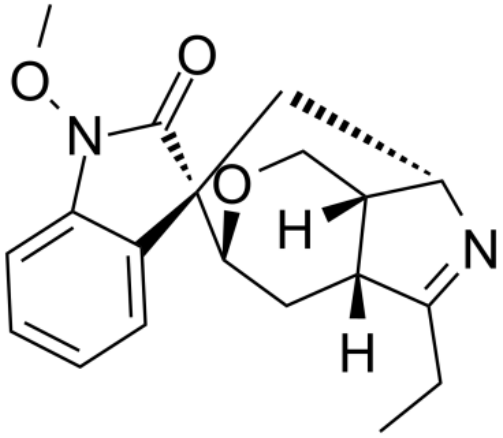
Product Data Sheet

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 newalkaloid isolated from Gelsemium elegan Banth 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.
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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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