Data Sheet (Cat.No.T40758)

TargetMol

Hydrastinine

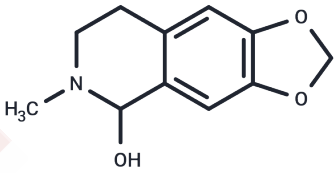
Chemical Properties

CAS No. : 6592-85-4

Formula: C11H13NO3

Molecular Weight: 207.229

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hydrastinine, a key alkaloid component found in Hydrastis canadensis (goldenseal), serves as an effective hemostatic agent.
Targets(IC50)	Others
In vitro	Goldenseal is employed in treating a broad spectrum of conditions, encompassing gastrointestinal disturbances, urinary tract disorders, and inflammation. Its therapeutic properties are attributed to five principal alkaloids: Berberine, Palmatine, Hydrastine, Hydrastinine, and Canadine[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8256 mL	24.1278 mL	48.2556 mL
5 mM	0.9651 mL	4.8256 mL	9.6511 mL
10 mM	0.4826 mL	2.4128 mL	4.8256 mL
50 mM	0.0965 mL	0.4826 mL	0.9651 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 S, et al. Mechanism study of goldenseal-associated DNA damage. Toxicol Lett. 2013 Jul 31;221(1):64-72.
Freudenmann RW, et al. The origin of MDMA (ecstasy) revisited: the true story reconstructed from the original documents. Addiction. 2006 Sep;101(9):1241-5.

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