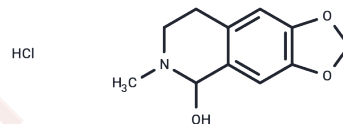


Hydrastinine hydrochloride

Chemical Properties

CAS No. :	4884-68-8
Formula:	C ₁₁ H ₁₂ ClNO ₂
Molecular Weight:	225.67
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Hydrastinine hydrochloride is a semisynthetic alkaloid from the hydrolysis of the alkaloid Hydrastine, used as a haemostatic drug.
Targets(IC50)	Others
Kinase Assay	Cyclic AMP-dependent protein kinase activity is assayed in a reaction mixture containing, in a final volume of 0.2 mL, 50 mM Tris-HCl (pH 7.0), 10 mM magnesium acetate, 2 mM EGTA, 1 μM cyclic AMP or absence of cyclic AMP, 3.3 to 20 μM [γ-32P] ATP (4×10 ⁵ c.p.m.), 0.5 μg of the enzyme, 100 μg of histone H2B and compound. The mixture is incubated at 30°C for 5 min. The reaction is terminated by adding 1mL of ice-cold 20% trichloroacetic acid after adding 500 μg of bovine serum albumin as a carrier protein. The sample is centrifuged at 3000 r.p.m. for 15min, the pellet is resuspended in ice-cold 10% trichloro-acetic acid solution and the centrifugation-resuspension cycle is repeated three times. The final pellet is dissolved in 1 mL of 1 N NaOH and radioactivity is measured with a liquid scintillation counter[1].

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4312 mL	22.1562 mL	44.3125 mL
5 mM	0.8862 mL	4.4312 mL	8.8625 mL
10 mM	0.4431 mL	2.2156 mL	4.4312 mL
50 mM	0.0886 mL	0.4431 mL	0.8862 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.

Reference

POE CF, JOHNSON CC. Acta Pharmacol Toxicol (Copenh). 1954; 10(4):338-46.

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