

Humantenidine

Chemical Properties

CAS No.:	114027-39-3
Formula:	C ₁₉ H ₂₂ N ₂ O ₄
Molecular Weight:	342.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Standard reference
Targets(IC ₅₀)	others: None
In vitro	A new pregnane derivative, 12 beta-hydroxy-5 alpha-pregn-16-ene-3,20-dione, along with the known derivative 12 beta-hydroxy-pregna-4,16-diene-3,20-dione have been isolated from a MeOH extract of the stem of <i>Gelsemium sempervirens</i> and found to be the principal cytotoxic entities. The ¹³ C-nmr spectra of both compounds were assigned by comparison with other pregnane analogs thereby allowing confirmation of the stereochemistry at C-5 in compound. Heteronuclear 2D correlation and selective INEPT experiments indicated the need to revise a number of ¹³ C-nmr assignments of pregn-4,16-dien-3,20-dione.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.921 mL	14.603 mL	29.206 mL
5 mM	0.584 mL	2.921 mL	5.841 mL
10 mM	0.292 mL	1.46 mL	2.921 mL
50 mM	0.058 mL	0.292 mL	0.584 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Cytotoxic steroids of *Gelsemium sempervirens*. *J Nat Prod.* 1987 Mar-Apr;50(2):195-8.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481