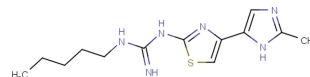


CP-66948

Chemical Properties

CAS No.:	101189-47-3
Formula:	C ₁₃ H ₂₀ N ₆ S
Molecular Weight:	292.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	CP-66948 is an antagonist of histamine H ₂ -receptor. It has gastric antisecretory activity and mucosal protective properties.
Targets(IC ₅₀)	Others: None
In vivo	CP-66948 inhibits ethanol-induced gastric hemorrhagic lesions in rats following either oral or systemic administration (ED ₅₀ values of 12 mg/kg per os and 6 mg/kg subcutaneously). The affinity of CP-66948 for the guinea pig atria histamine H ₂ -receptor is 15 times greater than that of cimetidine and seven times greater than that of ranitidine. In vivo, the ED ₅₀ value for inhibition of gastric acid secretion in pylorus-ligated rats is 2 mg/kg intraduodenally. In histamine or pentagastrin-stimulated Heidenhain pouch dogs, the antisecretory ED ₅₀ values are 0.3 mg/kg per os and 1.0 mg/kg per os.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.42 mL	17.1 mL	34.2 mL
5 mM	0.684 mL	3.42 mL	6.84 mL
10 mM	0.342 mL	1.71 mL	3.42 mL
50 mM	0.068 mL	0.342 mL	0.684 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. Hakkinen JP, et al. CP-66,948: an antisecretory histamine H₂-receptor antagonist with mucosal protective properties. Dig Dis Sci. 1991 Dec;36(12):1721-8.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481