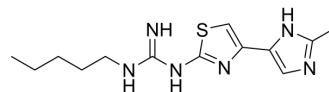


## CP-66948

Cat. No.:	HY-19048
CAS No.:	101189-47-3
Molecular Formula:	C <sub>13</sub> H <sub>20</sub> N <sub>6</sub> S
Molecular Weight:	292.4
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	CP-66948 is a histamine H <sub>2</sub> -receptor antagonist with gastric antisecretory activity and mucosal protective properties.
IC <sub>50</sub> & Target	H <sub>2</sub> Receptor
In Vivo	The affinity of CP-66,948 for the guinea pig atria histamine H <sub>2</sub> -receptor is 15 times greater than that of cimetidine and seven times greater than that of ranitidine. In vivo, the ED <sub>50</sub> value for inhibition of gastric acid secretion in pylorus-ligated rats is 2 mg/kg intraduodenally, and in histamine or pentagastrin-stimulated Heidenhain pouch dogs the antisecretory ED <sub>50</sub> values are 0.3 mg/kg per os and 1.0 mg/kg per os, respectively. CP-66,948 also inhibits ethanol-induced gastric hemorrhagic lesions in rats following either oral or systemic administration (ED <sub>50</sub> values of 12 mg/kg per os and 6 mg/kg subcutaneously) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

- [1]. Hakkinen JP, et al. CP-66,948: an antisecretory histamine H<sub>2</sub>-receptor antagonist with mucosal protective properties. Dig Dis Sci. 1991 Dec;36(12):1721-8.
- [2]. J P Hakkinen, et al. CP-66,948: an antisecretory histamine H<sub>2</sub>-receptor antagonist with mucosal protective properties. Dig Dis Sci. 1991 Dec;36(12):1721-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA