
Product Data Sheet

Product Name: CP-66948

Cat. No.: GC30423

Chemical Properties

Cas. No. 101189-47-3

SMILES N=C(NCCCC)NC1=NC(C2=CN=C(C)N2)=CS1Formula $C_{13}H_{20}N_6S$ M.Wt 292.4

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

CP-66948 is a histamine H₂-receptor antagonist with gastric antisecretory activity and mucosal protective properties.

The affinity of CP-66,948 for the guinea pig atria histamine H₂-receptor is 15 times greater than that of cimetidine and seven times greater than that of ranitidine. In vivo, the ED₅₀ 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 ED₅₀ 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 (ED₅₀ values of 12 mg/kg per os and 6 mg/kg subcutaneously)[1].

[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.

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

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