

Product Data Sheet

Product Name: Zaltidine
 Cat. No.: GC37959

Chemical Properties

Cas. No. 85604-00-8

SMILES NC(NC1=NC(C2=CN=C(C)N2)=CS1)=N

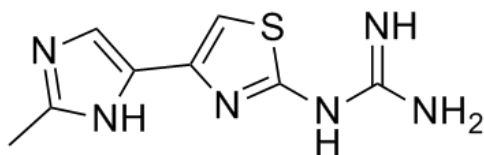
Formula C8H10N6S M.Wt 222.27

Solubility Water: 7.69 mg/mL (34.60 mM) 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

Zaltidine (CP-57361) is a H₂-receptor antagonist, which has the antisecretory action. IC₅₀ Value: Target: H₂ receptor in vitro: in vivo: In eight healthy male volunteers single oral doses of 5 mg, 25 mg and 100 mg produced dose-related inhibition of basal and pentagastrin-stimulated acid output (M.A.O.) with an estimated ID₅₀ of 40 mg for the latter. In eight subjects with duodenal ulceration single 100 mg and 200 mg doses produced 85% and 97% inhibition of M.A.O. at peak (3 h post-dose) and 20% and 23% inhibition at 24 h, respectively; inhibition of basal acid output was 97% at 3 h and 50% at 24 h with both doses [1]. One hundred and thirty-five patients were randomly allocated

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

to 4 weeks' treatment with either 150 mg zaltidine once daily or placebo. Fifty-nine were treated for a full 4 weeks with zaltidine before the trial was stopped. Healing rates after 4 weeks of zaltidine and placebo were 86% and 19%, respectively (p less than 0.001) [2].

[1]. Laferla G, Buchanan N, Hearn J, The antiseecretory effects of zaltidine, a novel long-acting H₂-receptor antagonist, in healthy volunteers and in subjects with a past history of duodenal ulcer. Br J Clin Pharmacol. 1986 Oct;22(4):395-9. [2]. Farup PG. Zaltidine: an effective but hepatotoxic H₂-receptor antagonist. Scand J Gastroenterol. 1988 Aug;23(6):655-8.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA