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产品名称: **Zaltidine**
产品别名: 唑替丁; **CP-57361**

生物活性:				
Description	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 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].			
	In Vitro: H₂O : 7.69 mg/mL (34.60 mM; Need ultrasonic)			
Solvent&Solubility	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	4.4990 mL	22.4952 mL
		5 mM	0.8998 mL	4.4990 mL
		10 mM	0.4499 mL	2.2495 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限 -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时, 请在 6 个月内使用, -20℃ 储存时, 请在 1 个月内使用。			
References	[1]. Laferla G, Buchanan N, Hearn J, The antisecretory 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.			