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产品名称: **Metiamide**
产品别名: 甲硫米特; **SK&F 92058**

生物活性:				
Description	Metiamide (SK&F 92058) is a histamine H2-receptor antagonist developed from another H2 antagonist, burimamide.			
IC ₅₀ & Target	Ki: 0.92 uM (H2 receptor)			
In Vitro	Metiamide (SK&F 92058) is a competitive with aldehyde substrates and noncompetitive with the Human E3 Aldehyde Dehydrogenase coenzyme, binding to both the free E3 isozyme and the enzyme-coenzyme binary complex with Ki values of 0.92 uM glycolaldehyde as the varied substrate[1]. Data is got as percentage change in GTPase activity induced by metiamide compared with the GTPase activity stimulated by HA (100 uM)[2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 2.4 mg/mL (9.82 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent	Mass	
		Concentration	1 mg	5 mg
		1 mM	4.0920 mL	20.4599 mL
		5 mM	0.8184 mL	4.0920 mL
		10 mM	---	---
*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°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。				
References	[1]. Alexandra Kikonyogo ,Regina Pietruszko, Cimetidine and Other H2-Receptor Antagonists as Inhibitors of Human E3 Aldehyde Dehydrogenase. Molecular Pharmacology 1997; 52: 2267-271. [2]. Hendrik Preuss, Prasanta Ghorai ¹ , Anja Kraus, Constitutive Activity and Ligand Selectivity of Human, Guinea Pig, Rat, and Canine Histamine H2 Receptors. JPET 2007 vol. 321no. 3 983-995.			