

Acetophenazine dimaleate

Chemical Properties

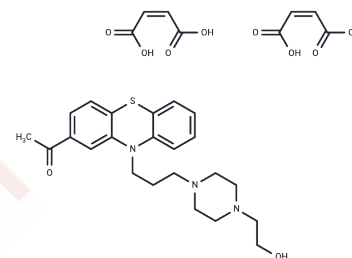
CAS No. : 5714-00-1

Formula: C₃₁H₃₇N₃O₁₀S

Molecular Weight: 643.71

Storage: Store at low temperature, Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Acetophenazine dimaleate is an antipsychotic agent, effective in anxious depression. Acetophenazine dimaleate primarily targets the dopamine D2 receptor.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 150 mg/mL (233.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (6.21 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5535 mL	7.7675 mL	15.5349 mL
5 mM	0.3107 mL	1.5535 mL	3.107 mL
10 mM	0.1553 mL	0.7767 mL	1.5535 mL
50 mM	0.0311 mL	0.1553 mL	0.3107 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hollister LE, et al. Acetophenazine and diazepam in anxious depressions. Arch Gen Psychiatry. 1971 Mar;24(3): 273-8.

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