



Product Information

Product ID A0916

CAS No. 3598-37-6

Chemical Name

Synonym

Formula $C_{19}H_{22}N_2OS \cdot C_4H_4O_4$

Formula Wt. 442.53

Melting Point

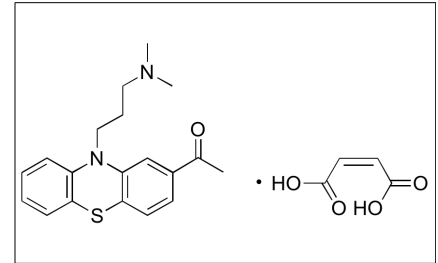
Purity $\geq 98\%$

Solubility Water (>10 mg/mL)

Store Temp Ambient

Ship Temp Ambient

Description Acepromazine is a phenothiazine derivative antipsychotic agent related to chlorpromazine. Acepromazine maleate is primarily used in veterinary field as a sedative and antiemetic, although it has previously been used as an antipsychotic in humans. Acepromazine acts as an antagonist at D1/2 and 5-HT1A/2A receptors; it prevents sudden cardiac death in animal models of status epilepticus and reduces vasopressor activity of dopamine during anesthesia. Acepromazine may also inhibit ABCG2, a transport protein whose overexpression in tumors is associated with drug resistance.



Bulk quantities available upon request

Product ID	Size
A0916	25 mg
A0916	100 mg
A0916	250 mg

References Monteiro ER, Teixeira Neto FJ, et al. Effects of acepromazine on the cardiovascular actions of dopamine in anesthetized dogs. *Vet Anaesth Analg*. 2007 Sep;34(5):312-21. PMID: 17686118.

Harrigan T, Bureau YR, Persinger MA, et al. Prevention of sudden cardiac death by the atypical neuroleptic acepromazine following status epilepticus in rats. *Life Sci*. 1994;54(24):PL457-62. PMID: 8196501.

Wirth W, Goesswald R, Vater W. On the pharmacology of acylated phenothiazine derivatives. *Arch Int Pharmacodyn Ther*. 1959 Dec 1;123:78-114. PMID: 13845370.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.