

产品名称：三氟拉嗪二盐酸盐
产品别名：盐酸三氟拉嗪； Trifluoperazine dihydrochloride

生物活性:

Description	Trifluoperazine dihydrochloride (TFP) is an antipsychotic phenothiazine agent and a selective α 1-adrenergic receptor antagonist. Trifluoperazine dihydrochloride is also a potent dopamine D2 receptor inhibitor[1][2].	
In Vitro	Trifluoperazine Dihydrochloride is a potent dopamine D2 receptor inhibitor used as an antipsychotic and an antiemetic. Target: Dopamine D2 Receptor Trifluoperazine Dihydrochloride is a potent dopamine D2 receptor inhibitor used as an antipsychotic and an antiemetic. Trifluoperazine inhibited in a dose-dependent manner the stimulation of glycogenolysis, gluconeogenesis, and ureogenesis due to alpha 1-adrenergic stimulation in rat hepatocytes. Trifluoperazine is much more potent at alpha 1- than at alpha 2-adrenergic receptors [1]. Trifluoperazine was not clearly different in terms of 'no substantial improvement' (n=1016, 27 RCTs, RR 1.06 CI 0.98 to 1.14) or leaving the study early (n=930, 22 RCTs, RR 1.15 CI 0.83 to 1.58). Almost identical numbers of people reported at least one adverse event (60%) in each group (n=585, 14 RCTs, RR 0.99 CI 0.87 to 1.13), although trifluoperazine was more likely to cause extrapyramidal adverse effects overall when compared to low potency antipsychotics such as chlorpromazine (n=130, 3 RCTs, RR 1.66 CI 1.03 to 2.67, NNH 6 CI 3 to 121). One small study (n=38) found no clear differences between trifluoperazine and the atypical drug, sulpiride [2].	
Solvent&Solubility	In Vitro: H₂O : 50 mg/mL (104.08 mM; Need ultrasonic) DMSO : 50 mg/mL (104.08 mM; Need ultrasonic)	
	<table><tr><td rowspan="4">Preparing <</td></tr></table>	Preparing <
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	<p>Solubility: ≥ 2.5 mg/mL (5.20 mM); Clear solution</p> <p>此方案可获得 ≥ 2.5 mg/mL (5.20 mM, 饱和度未知) 的澄清溶液。</p> <p>以 1 mL 工作液为例, 取 100 μL 25.0 mg/mL 的澄清 DMSO 储备液加到 900 μL 20% 的 SBE-β-CD 生理盐水溶液中, 混合均匀。</p> <p>3.请依序添加每种溶剂: 10% DMSO \rightarrow 90% corn oil</p> <p>Solubility: ≥ 2.5 mg/mL (5.20 mM); Clear solution</p> <p>此方案可获得 ≥ 2.5 mg/mL (5.20 mM, 饱和度未知) 的澄清溶液, 此方案不适用于实验周期在半个月以上的实验。</p> <p>以 1 mL 工作液为例, 取 100 μL 25.0 mg/mL 的澄清 DMSO 储备液加到 900 μL 玉米油中, 混合均匀。</p>
References	<p>[1]. Huerta-Bahena, J., R. Villalobos-Molina, and J.A. Garcia-Sainz, Trifluoperazine and chlorpromazine antagonize alpha 1- but not alpha2- adrenergic effects. Mol Pharmacol, 1983. 23(1): p. 67-70.</p> <p>[2]. Marques, L.O., M.S. Lima, and B.G. Soares, Trifluoperazine for schizophrenia. Cochrane Database Syst Rev, 2004(1): p. CD003545.</p>

源叶生物