Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Trifluoperazine (dihydrochloride)

Catalog No: tcsc2756

Available Sizes

Size: 100mg

Size: 500mg

Specifications

CAS No:
440-17-5

Formula:
$C_{21}H_{26}Cl_2F_3N_3S$

Pathway:
GPCR/G Protein;Neuronal Signaling

Target:
Dopamine Receptor;Dopamine Receptor

Purity / Grade:
>98%

Solubility:
DMSO : 50 mg/mL (104.08 mM; Need ultrasonic)

Alternative Names:
TFP;SKF5019

Observed Molecular Weight:
480.42

Product Description

Trifluoperazine Dihydrochloride is a potent dopamine D2 receptor inhibitor used as an antipsychotic and an antiemetic.

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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].