

Perphenazine, Antipsychotic agent

Catalog	Unit
TBI4709-100MG	100 mg
TBI4709-250MG	250 mg

Product Details

Formal Name: 2-[4-[3-(2-Chlorophenothiazin-10-yl)propyl]piperazin-1-yl]ethanol

Molecular Formula: C₂₁H₂₆ClN₃OS

Formula Weight: 403.98

CAS Number: 58-39-9

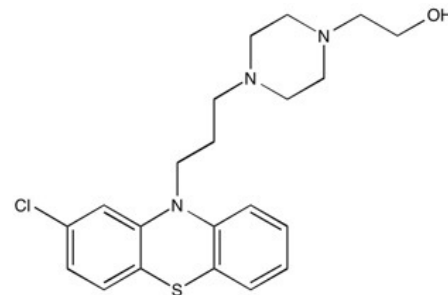
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Antipsychotic agent

Functions

Perphenazine is a clinically useful typical antipsychotic drug. The therapeutic mode of action is not well understood but it binds to a wide variety of receptors including serotonin, histamine, dopamine, and α -adrenergic. Perphenazine is an inhibitor of acid sphingomyelinase(ASM) and positively effected xenografted tumor growth via perturbation of intracellular cholesterol transport through ASM. It has also been shown to be an inhibitor of glutamate dehydrogenase.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.