
Product Data Sheet

Product Name: Prochlorperazine

Cat. No.: GC10788

Chemical Properties

Cas. No. 58-38-8

Chemical Name 2-chloro-10-(3-(4-methylpiperazin-1-yl)propyl)-10H-phenothiazine

SMILES CN(CC1)CCN1CCCN2C3=CC=CC=C3SC4=C2C=C(Cl)C=C4Formula $C_{20}H_{24}ClN_3S$ M.Wt 373.94Solubility $\geq 16.5\text{mg/mL}$ in DMSO Storage Store at -20°C General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Prochlorperazine (Compazine, Stemetil, Buccastem, Stemetil, Phenotil) is a dopamine (D2) receptor antagonist that belongs to the phenothiazine class of antipsychotic agents that are used for the antiemetic treatment of nausea and vertigo. It is also a highly potent typical antipsychotic, 10-20x more potent than chlorpromazine. It is also used to treat migraine headaches. Intravenous administration can be used to treat status migrainosus.

Caution: Product has not been fully validated for medical applications. For research use only.

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