

Product Data Sheet

Product Name: Acepromazine-1-piperazinepropanamine dihydrochloride

Cat. No.: GC80911

Chemical Properties

Cas. No.

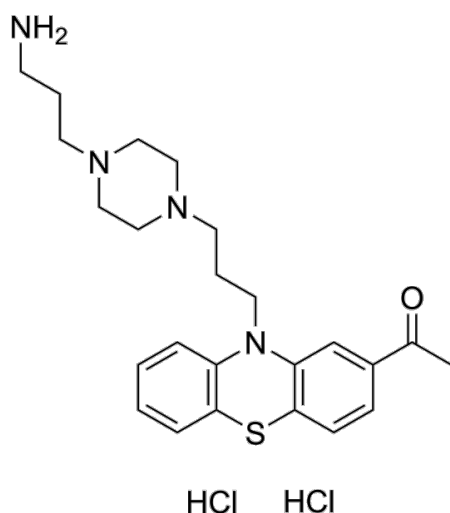
Formula $C_{24}H_{34}Cl_2N_4OS$ M.Wt 497.52

Solubility 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

Acepromazine-1-piperazinepropanamine dihydrochloride (compound 10) is a synthesized E3 ligase ligand-linker conjugate (E3 Ligase Ligand-Linker Conjugate) that incorporates a TRIM21 ligand and a linker. Acepromazine-1-piperazinepropanamine dihydrochloride can be connected to the target protein ligand to form a PROTAC molecule, TrimTAC1 [1].

In Vitro, PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

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

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References:

[1]. Panrui Lu, et al. Selective degradation of multimeric proteins by TRIM21-based molecular glue and PROTAC degraders. Cell. 2024 Oct 30:S0092-8674(24)01197-8.

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