

Product Data Sheet

Product Name: Azaphen dihydrochloride monohydrate

Cat. No.: GC35444

Chemical Properties

Cas. No. 63302-99-8

SMILES [H]Cl.[H]Cl.CN1C2=CC=CC=C2OC3=C1C=C(N4CCN(C)CC4)N=N3.O

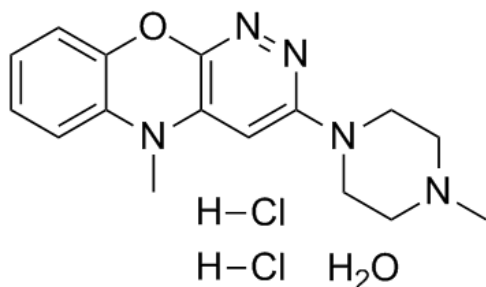
Formula $C_{16}H_{23}Cl_2N_5O_2$ M.Wt 388.29

Solubility Water: ≥ 100 mg/mL (257.54 mM); Storage Store at -20°C
DMSO: 1 mg/mL (2.58 mM)

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

Pipofezine (Azafen or Azaphen) is a potent inhibitor of the reuptake of serotonin. IC₅₀ Value: Target: SSRIs. Pipofezine is a tricyclic antidepressant (TCA) approved in Russia for the treatment of depression. In addition to its antidepressant action, pipofezine has sedative effects as well, indicating antihistamine activity.

[1]. Shinaev NN, Akzhigitov RG. Azaphen: a return to clinical practice. Zh Nevrol Psikhiatr Im S S

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

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Korsakova. 2005;105(10):55-6. [2]. Ignatowicz L, Ignatowicz R, Wdowiak MW, Jaremko A. Azaphen in the treatment of enuresis in children. *Psychiatr Pol.* 1977 Jan-Feb;11(1):29-33. [3]. Liberman SS, Sharova SA. A comparison of the effect of the tricyclic antidepressants azaphen and imizin on the gastrointestinal tracts of experimental animals. *Farmakol Toksikol.* 1975 Jan-Feb;38(1):29-32. [4]. Misurec J, NÁhunek K, KamenickÁ V, Chmelar M. Proceedings: Influence of azaphen, a new antidepressive drug, on the human EEG. *Act Nerv Super (Praha).* 1974;16(4):245-6.

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