

Product Data Sheet

Product Name: Azaphen
Cat. No.: GC35443

Chemical Properties

Cas. No. 24853-80-3

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

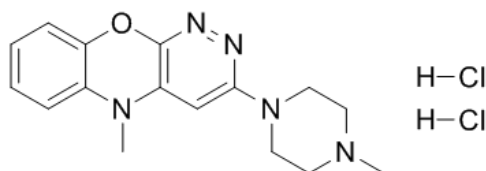
Formula $C_{16}H_{21}Cl_2N_5O$ M.Wt 370.28

Solubility Soluble 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

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]. Domestic antidepressants. 1. Azaphen By Andreeva, N. I.; Asnina, V. V.; Liberman, S. S. From Pharmaceutical Chemistry Journal (Translation of Khimiko-Farmatsevticheskii Zhurnal) (2000), 34(5),

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

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237-241. [2]. Shinaev NN, Akzhigitov RG. Azaphen: a return to clinical practice. Zh Nevrol Psikhiatr Im S S Korsakova. 2005;105(10):55-6. [3]. 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. [4]. 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. [5]. 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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