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## Product Data Sheet

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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<sub>16</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>5</sub>O 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. IC<sub>50</sub> 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), 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.

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

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