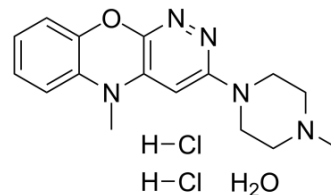


## Azaphen dihydrochloride monohydrate

Cat. No.:	HY-A0022A		
CAS No.:	63302-99-8		
Molecular Formula:	C <sub>16</sub> H <sub>23</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>2</sub>		
Molecular Weight:	388.29		
Target:	Serotonin Transporter		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (257.54 mM)  
 DMSO : 1 mg/mL (2.58 mM; Need ultrasonic)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.5754 mL	12.8770 mL	25.7539 mL
	5 mM		0.5151 mL	2.5754 mL	5.1508 mL
	10 mM		0.2575 mL	1.2877 mL	2.5754 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

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.

### REFERENCES

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- [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.

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

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