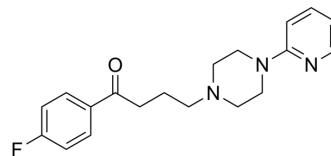


Azaperone

Cat. No.:	HY-B1470		
CAS No.:	1649-18-9		
Molecular Formula:	C ₁₉ H ₂₂ FN ₃ O		
Molecular Weight:	327.4		
Target:	Dopamine Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (152.72 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0544 mL	15.2718 mL	30.5437 mL
	5 mM	0.6109 mL	3.0544 mL	6.1087 mL
	10 mM	0.3054 mL	1.5272 mL	3.0544 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Azaperone (R-1929) acts as a dopamine antagonist but also has some antihistaminic and anticholinergic properties. Azaperone is a pyridinylpiperazine and butyrophenone neuroleptic agent with antiemetic effects, which is used mainly as a tranquilizer in veterinary medicine.

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

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