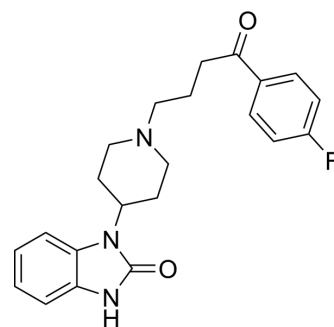


Benperidol

Cat. No.:	HY-121276		
CAS No.:	2062-84-2		
Molecular Formula:	C ₂₂ H ₂₄ FN ₃ O ₂		
Molecular Weight:	381.44		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (262.16 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6216 mL	13.1082 mL	26.2164 mL
	5 mM	0.5243 mL	2.6216 mL	5.2433 mL
	10 mM	0.2622 mL	1.3108 mL	2.6216 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: ≥ 1.67 mg/mL (4.38 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.67 mg/mL (4.38 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Benperidol is a relatively old antipsychotic agent. Benperidol is a butyrophenone antipsychotic, with the highest neuroleptic potency in terms of D2 receptor blockade^[1].

REFERENCES

- [1]. Leucht S, et al. Benperidol for schizophrenia. Cochrane Database Syst Rev. 2005;2005(2):CD003083.

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

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