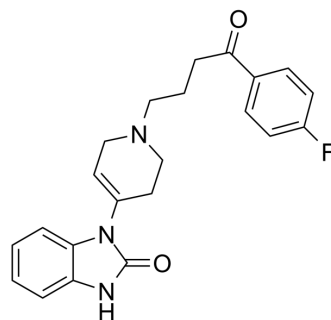


Droperidol

Cat. No.:	HY-B1240
CAS No.:	548-73-2
Molecular Formula:	C ₂₂ H ₂₂ FN ₃ O ₂
Molecular Weight:	379.43
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (87.84 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6355 mL	13.1777 mL	26.3553 mL
	5 mM	0.5271 mL	2.6355 mL	5.2711 mL
	10 mM	0.2636 mL	1.3178 mL	2.6355 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 (6.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Droperidol is a Dopamine-2 Receptor Antagonist. Target: D2DRDroperidol is a butyrophenone, with anti-emetic, sedative and anti-anxiety properties.

CUSTOMER VALIDATION

- Viruses. 2022, 14(1), 145.
- Eur J Pharm Sci. 2023 May 22;106475.

See more customer validations on www.MedChemExpress.com

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

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