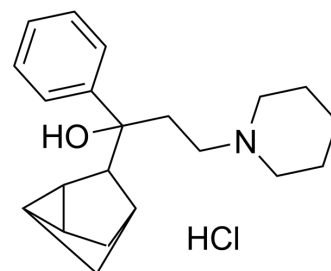


Triperiden

Cat. No.:	HY-145391		
CAS No.:	14617-17-5		
Molecular Formula:	C ₂₁ H ₃₀ ClNO		
Molecular Weight:	347.92		
Target:	Influenza Virus		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (95.80 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	2.8742 mL	14.3711 mL
5 mM			0.5748 mL	2.8742 mL	5.7484 mL
10 mM			0.2874 mL	1.4371 mL	2.8742 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 (7.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.19 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Triperiden is an inhibitor of influenza virus multiplication. Triperiden targets the haemagglutinin of fowl plague virus (FPV) for antiviral activity and acts by inhibiting the conformational change in the haemagglutinin at acid pH. Triperiden is also anticholinergic anti-parkinsonism agent^[1].

REFERENCES

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

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