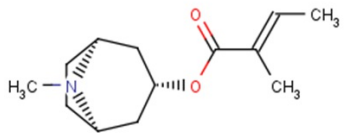
Data Sheet (Cat.No.T13158)

TargetMol
A DRUG SCREENING EXPERT

Tigloidin

Chemical Properties



CAS No.:	495-83-0
Formula:	C13H21NO2
Molecular Weight:	223.31
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Tigloidin is an atropine analog with anticholinergic activity.
Targets(IC_{50})	Others: None
In vivo	Tigloidine hydrobromide (100 mg/kg, i.p.) protects 80% of the animals against the lethal effect. Tigloidine markedly prevents tremor and salivation produced by tremorine at 80-100 mg/kg but fails to prevent these effects in doses up to 40 mg/kg. Tigloidine (up to 100 mg/kg, i.p) does not significantly affect reserpine and tetrabenazine induced sedation and ptosis in mice. Tigloidine (25-50 mg/kg, i.p.) also fails to cause any behavioral changes in the cats.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.478 mL	22.39 mL	44.781 mL
5 mM	0.896 mL	4.478 mL	8.956 mL
10 mM	0.448 mL	2.239 mL	4.478 mL
50 mM	0.09 mL	0.448 mL	0.896 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Sanghvi I, et al. Pharmacology of a potential anti-Parkinson agent: tigloidine. Eur J Pharmacol. 1968 Oct;4(3):246-53.

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