# Product Data Sheet

Product Name: Tigloidin (Tigloyl pseudotropine)
Cat. No.: GC30442

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 495-83-0 | | |
| SMILES | C/C=C(C)/C(O[C@H]1C[C@@H](N2C)CC[C@@H]2C1)=O | | |
| Formula | $C_{13}H_{21}NO_2$ | M.Wt | 223.31 |
| Solubility | Soluble in DMSO | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure | | | |

## Background

Tigloidin is an analogue of atropine, with anticholinergic activity.

Tigloidine hydrobromide (20-60 mg/kg, i.p.) fails to protect the mice against the lethal effect of physostigmine, but at 100 mg/kg and above, it 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 affects 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[1].

[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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