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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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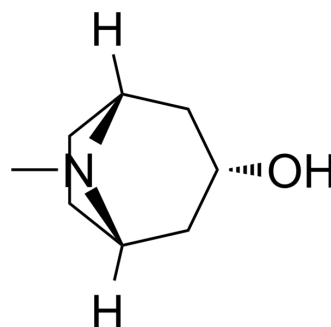
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Tropine

Cat. No.:	HY-N7061		
CAS No.:	120-29-6		
Molecular Formula:	C ₈ H ₁₅ NO		
Molecular Weight:	141.21		
Target:	Others		
Pathway:	Others		
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 : 100 mg/mL (708.17 mM; Need ultrasonic)
 H₂O : 50 mg/mL (354.08 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.0817 mL	35.4083 mL	70.8165 mL
	5 mM	1.4163 mL	7.0817 mL	14.1633 mL
	10 mM	0.7082 mL	3.5408 mL	7.0817 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 (17.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (17.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (17.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tropine is a secondary metabolite of Solanaceae plants, is an anticholinergic agent^[1]. Tropine is a common intermediate in the synthesis of a variety of bioactive alkaloids, including hyoscyamine and scopolamine^[2].

REFERENCES

[1]. Gryniewicz G, et al. Tropane alkaloids as medicinally useful natural products and their synthetic derivatives as new drugs. *Pharmacol Rep.* 2008 Jul-Aug;60(4):439-63.

[2]. Richter U, et al. Overexpression of tropinone reductases alters alkaloid composition in *Atropa belladonna* root cultures. *J Exp Bot.* 2005 Feb;56(412):645-52. Epub 2005 Jan 10.

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

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