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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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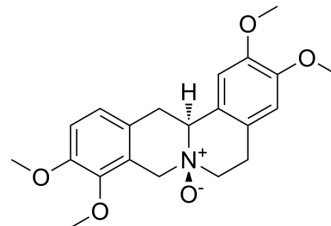
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(-)-Corynoxidine

Cat. No.:	HY-N7010
CAS No.:	57906-85-1
Molecular Formula:	C ₂₁ H ₂₅ NO ₅
Molecular Weight:	371.43
Target:	Cholinesterase (ChE); Bacterial
Pathway:	Neuronal Signaling; Anti-infection
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (67.31 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6923 mL	13.4615 mL	26.9230 mL
				5 mM	0.5385 mL	2.6923 mL	5.3846 mL
				10 mM	0.2692 mL	1.3461 mL	2.6923 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (3.37 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (3.37 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	(-)-Corynoxidine is an acetylcholinesterase inhibitor with an IC ₅₀ value of 89.0 μM, isolated from the aerial parts of <i>Corydalis speciosa</i> ^[1] . (-)-Corynoxidine exhibits antibacterial activities against <i>Staphylococcus aureus</i> and methicillin-resistant <i>S. aureus</i> strains in different degrees ^[2] .
IC ₅₀ & Target	IC50: 89.0 μM (acetylcholinesterase) ^[1]

REFERENCES

[1]. Kim DK, et al. Acetylcholinesterase inhibitors from the aerial parts of *Corydalis speciosa*. Arch Pharm Res. 2004 Nov;27(11):1127-31.

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

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