
Product Data Sheet

Product Name: (-)-Corynoxidine

Cat. No.: GC34947

Chemical Properties

Cas. No. 57906-85-1

SMILES COC1=CC=C2C(C[N@@+]3([O-])CCC4=CC(OC)=C(OC)C=C4[C@]3([H])C2)=C1OCFormula C₂₁H₂₅NO₅

M.Wt 371.43

Solubility DMSO : 25 mg/mL (67.31 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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**

(-)-Corynoxidine is an acetylcholinesterase inhibitor with an IC₅₀ value of 89.0 μM, isolated from the aerial parts of *Corydalis speciosa*[1]. (-)-Corynoxidine exhibits antibacterial activities against *Staphylococcus aureus* and methicillin-resistant *S. aureus* strains in different degrees[2]. IC₅₀: 89.0 μM (acetylcholinesterase)[1]

[1]. Kim DK, et al. Acetylcholinesterase inhibitors from the aerial parts of *Corydalis speciosa*. Arch Pharm Res. 2004 Nov;27(11):1127-31. [2]. Yang DL, et al. A new antibacterial denitroaristolochic acid from the tubers of *Stephania succifera*. J Asian Nat Prod Res. 2013;15(3):315-8.

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

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