

Product Data Sheet

Product Name: Spiroxamine

Cat. No.: GC41258

Chemical Properties

Cas. No. 118134-30-8

SMILES CCN(CC1COC2(CCC(C(C)(C)C)CC2)O1)CCC

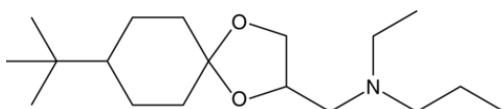
Formula C₁₈H₃₅NO₂ M.Wt 297.5

Solubility DMSO : ≥ 250 mg/mL (840.39 mM) 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

Spiroxamine is a tertiary amine fungicide and an inhibitor of $\delta 14$ reductase/ $\delta 8 \rightarrow \delta 7$ isomerase. It inhibits the growth of *N. parvum*, *B. dothidea*, *D. seriata*, and *L. theobromae* isolates from grape vines (EC₅₀s = 0.97-10.28 mg/L). Spiroxamine (0.03-30 μ M) reduces network formation in rat cortical cultures. It is also cytotoxic to MDA-kb2 cells (EC₂₀ = 9.29 μ M).

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

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