

Product Data Sheet

Product Name: Picrotin
Cat. No.: GC44643

Chemical Properties

Cas. No. 21416-53-5

SMILES C[C@]([C@@](C1)([C@]2([H])[C@]([H])(C(C)(O)C)[C@@]3([H])OC2=O)O)([C@]3([H])OC4=O)[C@@]54[C@@H]1O5

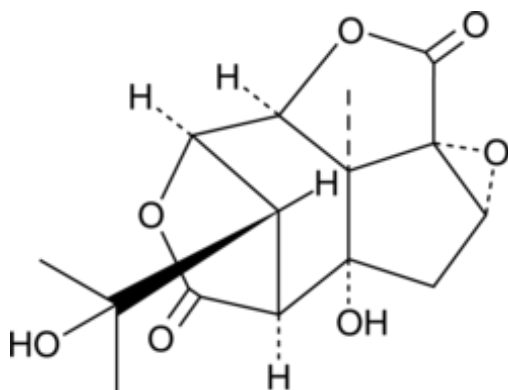
Formula C₁₅H₁₈O₇ M.Wt 310.3

Solubility Soluble in DMSO 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

Picrotin is a natural picrotoxane that antagonizes glycine receptors (GlyRs; IC₅₀s = 57 and 117 μM for α1 and α2 homodimeric GlyRs, respectively). It also inhibits α3 homodimeric GlyRs. Picrotin is

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inactive in inhibiting γ -aminobutyric acid (GABA) type A and type C receptors. Picrotin occurs in the natural plant-derived poison picrotoxin, equimolar with picrotoxinin.

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