

Product Data Sheet

Product Name: Spiroxamine-d₄

Cat. No.: GC91208

Chemical Properties

Cas. No. 2469272-82-8

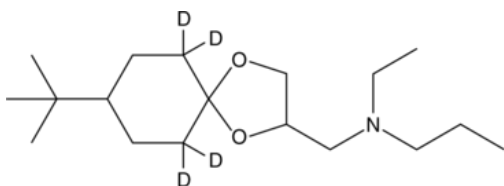
Formula C₁₈H₃₁D₄NO₂ M.Wt 301.5

Solubility Chloroform: slightly soluble, Methanol: slightly soluble 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-d₄ is intended for use as an internal standard for the quantification of spiroxamine by GC- or LC-MS. Spiroxamine is a tertiary amine fungicide.¹ 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).² Spiroxamine reduces mean firing and burst rates in rat cortical cultures (EC₅₀s = 90 and 110 nM, respectively).³ It is also cytotoxic to MDA-kb2 breast cancer cells (EC₂₀ = 9.29 μM).⁴

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

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