

Product Data Sheet

Product Name: (-)-Sparteine sulfate pentahydrate

Cat. No.: GC34952

Chemical Properties

Cas. No. 6160-12-9

SMILES O=S(O)(O)=O.[H][C@]12C[C@](CN3[C@]2([H])CCCC3)([H])[C@@](CCCC4)([H])N4C1.O.O.O.O.O

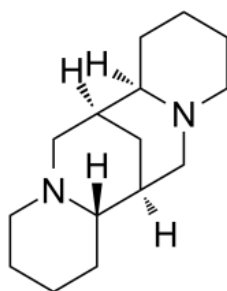
Formula $C_{15}H_{26}N_2 \cdot H_2SO_4 \cdot 5H_2O$ M.Wt 422.54

Solubility DMSO: ≥ 100 mg/mL (236.66 mM) Storage Store at $-20^{\circ}C$

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



H_2SO_4

H_2O H_2O H_2O

H_2O H_2O

Background

(-)-Sparteine sulfate pentahydrate ((-)-Lupinidine sulfate pentahydrate) is a class 1a antiarrhythmic agent and a sodium channel blocker. It is an alkaloid, can chelate the bivalents calcium and magnesium.

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

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