
Product Data Sheet

Product Name: Stachybotrylactam

Cat. No.: GC18601

Chemical Properties

Cas. No. 163391-76-2

Chemical Name (1'R,2'R,4'aS,6'R,8'aS)-3',4',4'a,5',6',7,7',8,8',8'a-decahydro-4,6'-dihydroxy-2',5',5',8'a-tetramethyl-spiro[2H-furo[2,3-e]isoindole-2,1'(2'H)-naphthalen]-6(3H)-one

SMILES O=C1NCC2=C1C=C(O)C3=C2O[C@]4([C@](CC[C@@H](O)C5(C)C)(C)[C@@]5([H])CC[C@H]4C)C3

Formula C₂₃H₃₁NO₄ M.Wt 385.5

Solubility DMF: Soluble, DMSO: Soluble, Ethanol: Soluble, Methanol: 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**

Stachybotrylactam is a spirodihydrobenzofuranlactam mycotoxin originally isolated from *Stachybotrys* with antiviral activity. It inhibits HIV-1 protease in vitro with an IC₅₀ value of 161 μM. Stachybotrylactam has no effect on oleic acid-elicited intracellular lipid accumulation and has no observable cytotoxicity at concentrations up to 100 μM in HepG2 cells.

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

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