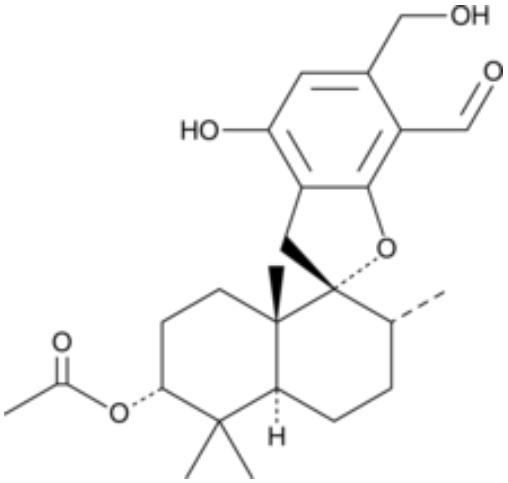
# Product Data Sheet

Product Name: Stachybotrysin B
Cat. No.: GC46020

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 2098376-42-0 | | |
| SMILES | CC(O[C@@H]1CC[C@@]2(C)[C@](CC[C@@H](C)[C@@]23OC4=C(C=O)C(CO)=CC(O)=C4C3)([H])C1(C)C)=O | | |
| Formula | C25H34O6 | M.Wt | 430.5 |
| 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

Stachybotrysin B is a fungal metabolite originally isolated from S. chartarum and has antiviral and anticancer activities.1,2 It has antiviral activity against HIV in SupT1 cells (IC50 = 19.2 μM).1 Stachybotrysin B is cytotoxic to K562, HeLa, and HL-60 cells (IC50s = 21.72, 39.63, and 18.5 μM, respectively).2

|1. Zhao, J., Feng, J., Tan, Z., et al. Stachybotrysins A-G, phenylspirodrimane derivatives from the fungus Stachybotrys chartarum. J. Nat. Prod. 80(6), 1819-1826 (2017).|2. Ma, X.-h., Zheng, W.-m.,

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Sun, K.-h., et al. Two new phenylspirodrimanes from the deep-sea derived fungus Stachybotrys sp. MCCC 3A00409. Nat. Prod. Res. 33(3), 386-392 (2018).