

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

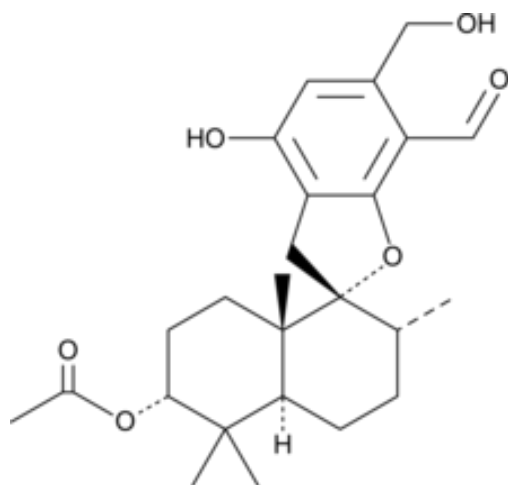
Formula C₂₅H₃₄O₆ M.Wt 430.5

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition 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. Stachybotrysin A-G, phenylspirodrimane derivatives from the fungus *Stachybotrys chartarum*. *J. Nat. Prod.* 80(6), 1819-1826 (2017). 2. Ma, X.-h., Zheng, W.-m.,

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA