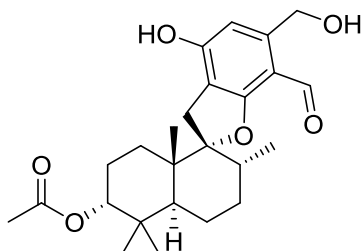


Stachybotrysin B

Code No.: **BIA-S1796**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

| | | |
|-------------------|---|---|
| CAS # | : | 2098376-42-0 |
| Molecular Formula | : | C₂₅H₃₄O₆ |
| Molecular Weight | : | 430.5 |
| Source | : | <i>Stachybotrys</i> sp. |
| Appearance | : | Off-white solid |
| Purity | : | >95% by HPLC |
| Long Term Storage | : | -20°C |
| Solubility | : | Soluble in ethanol, methanol, DMF or DMSO. |

Application Notes

Stachybotrysin B is an analogue of a complex of phenylspirodrimanes isolated from the fungus, *Stachybotrys chartarum*, by collaborating Chinese Key Research Institutes in 2017. Stachybotrysin B is active against HIV but is not cytotoxic. Stachybotrysin B has been shown to inhibit osteoclast differentiation in bone marrow macrophage cells via suppression of RANKL-induced activation of p-ERK, p-JNK, p-p38, c-Fos, and NFATc1.

References

1. Stachybotrysin A-G, phenylspirodrimane derivatives from the fungus *Stachybotrys chartarum*. Zhao J. et al., *J. Nat. Prod.* 2017, 80, 1819.
2. Stachybotrysin, an osteoclast differentiation inhibitor from the marine-derived fungus *Stachybotrys* sp. KCB13F013. Kim J.W. et al., *J. Nat. Prod.* 2016, 79, 2703.