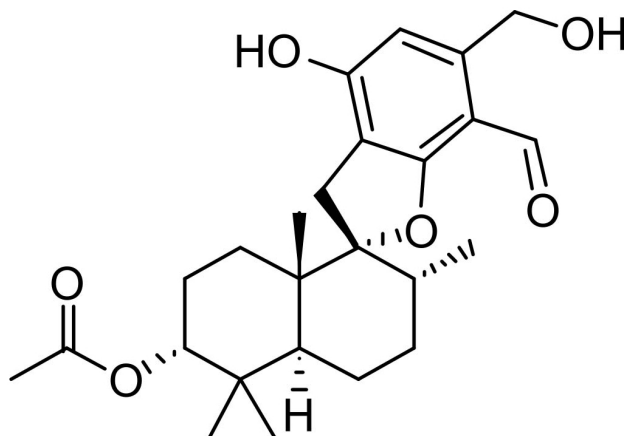


## Stachybotrysin B

Code No.: BIA-S1796

Pack sizes.: 1mg, 5mg



Synonyms:

-

## Specifications

CAS #	: <b>2098376-42-0</b>
Molecular Formula	: <b>C<sub>25</sub>H<sub>34</sub>O<sub>6</sub></b>
Molecular Weight	: <b>430.53</b>
Source	: -
Appearance	: <b>Off-white solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## 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.