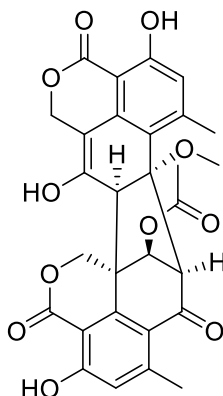


Talaromycesone A

Code No.: **BIA-T2380**

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



Synonyms :

Specifications

| | |
|-------------------|---------------------------------------------------|
| CAS # | : 1658474-60-2 |
| Molecular Formula | : C ₂₉ H ₂₄ O ₁₁ |
| Molecular Weight | : 548.5 |
| Source | : <i>Aspergillus</i> sp. |
| Appearance | : Orange solid |
| Purity | : >95% by HPLC |
| Long Term Storage | : -20°C |
| Solubility | : Soluble in methanol or DMSO |

Application Notes

Talaromycesone A is an oxaphenalenone dimer recently isolated from a marine *Talaromyces* sp. by Imhoff and colleagues at the Centre for Ocean Research, Kiel, Germany. Talaromycesone A is structurally related to duclauxin and bacillosporin A. Talaromycesone A has potent antibacterial activity against human pathogenic *S. aureus* with IC₅₀ 3.70 μM. Talaromycesone A is a potent acetylcholinesterase inhibitor with IC₅₀ 7.49 μM.

References

1. Acetylcholinesterase inhibitors from a marine fungus *Talaromyces* sp. strain LF458. Wu B. et al. *Mar Biotechnol.* 2015, 17, 110.