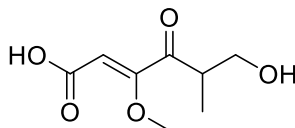


Dihydro-6-hydroxyphenicillic acid

Code No.: **BIA-H2961**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : 5,6-Dihydro-6-hydroxyphenicillic acid

Specifications

CAS #	: 1661837-02-0
Molecular Formula	: C ₈ H ₁₂ O ₅
Molecular Weight	: 188.2
Source	: <i>Penicillium</i> sp.
Appearance	: Fawn residue
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Dihydro-6-hydroxyphenicillic acid is a butenolide/butyrolactone mycotoxin produced by various *Penicillium*, *Aspergillus* and other species. Dihydro-6-hydroxyphenicillic acid has antiviral activity and has been patented as an antifouling agent for marine coatings. Dihydro-6-hydroxyphenicillic acid inhibits influenza A/WSN/33 virus with an IC₅₀ of 68 ± 0.7 μM. Dihydro-6-hydroxyphenicillic acid is reported to be a nerve growth factor activator.

References

1. Butenolide compounds for antifouling agent use in marine coatings. Qi S. et al. China, CN104356730 A 2015-02-18.
2. New butyrolactone derivatives from the endophytic Fungus *Talaromyces* sp. CPCC 400783 of *Reynoutria japonica* Houtt. Zhang R. et al. J Antibiot. 2021, 74, 225.