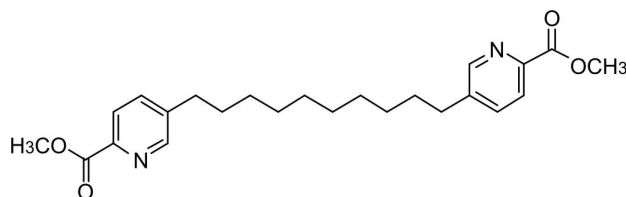


Penicolinate A

Code No.: BIA-P1629

Pack sizes.: 1mg, 5mg



Synonyms:

-

Specifications

CAS #	: 1418291-68-5
Molecular Formula	: C₂₄H₃₂N₂O₄
Molecular Weight	: 412.52
Source	: -
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Penicolinate A, a bis-picolinic ester linked by a decamethylene bridge, was first isolated from *Penicillium* sp. BCC16054 by researchers at BIOTEC, Thailand in 2013. Penicolinate A is active against malaria, mycobacteria and mammalian tumor cell lines. Structurally, penicolinate A represents a "dimeric" ester of the antibiotic, fusaric acid. This dimerization affords a much broader bioprofile than that of fusaric acid.

References

1. Penicolinates A-E from endophytic *Penicillium* sp. BCC16054. Intaraudom C. et al., Tet. Lett. 2013, 54, 744.