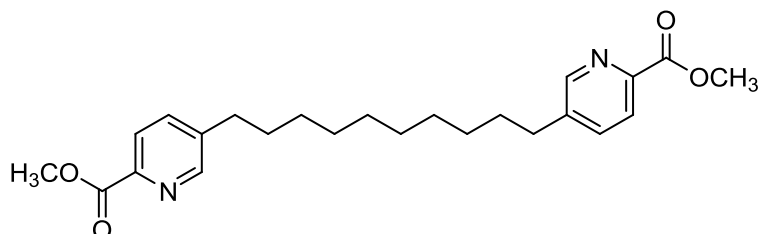


## Penicolinate A

Code No.: **BIA-P1629**

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



Synonyms :

## Specifications

CAS #	: 1418291-68-5
Molecular Formula	: C <sub>24</sub> H <sub>32</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight	: 412.5
Source	: Unidentified fungus
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.