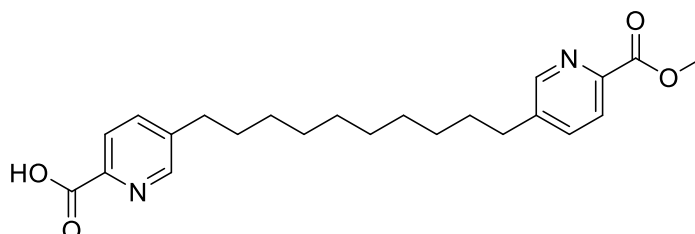


Penicolinate B

Code No.: **BIA-P2308**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : Penicolinate A monomethyl ester, Werridine C

Specifications

CAS #	: 1418291-70-9
Molecular Formula	: C ₂₃ H ₃₀ N ₂ O ₄
Molecular Weight	: 398.5
Source	: <i>Penicillium</i> sp.
Appearance	: White powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Penicolinate B is a picolinic acid derivative isolated from *Penicillium* sp.. Penicolinate B is potent against *Plasmodium falciparum* and *Candida albicans* (IC₅₀ 1.45 µg/mL in each assay) and has moderate activity against *Mycobacterium tuberculosis* and *Bacillus cereus* (25 µg/mL in each assay). Penicolinate B is also active against the tumor cell lines KB (human epidermoid carcinoma, IC₅₀ 18 µg/mL), MCF-7 (human breast cancer, IC₅₀ 6 µg/mL), NCI-H187 (human small cell lung cancer, IC₅₀ 0.3 µg/mL) and Vero (IC₅₀ 2.8 µg/mL).

References

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