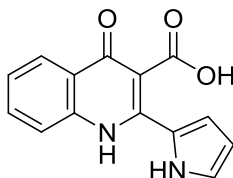


Penicinoline

Code No.: **BIA-P1806**

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



Synonyms :

Specifications

CAS #	:	1214268-60-6
Molecular Formula	:	C₁₄H₁₀N₂O₃
Molecular Weight	:	254.2
Source	:	<i>Penicillium</i> sp.
Appearance	:	Yellow solid
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Penicinoline is an unusual quinolinone alkaloid isolated from a mangrove endophytic *Penicillium* species by researchers at the Key Laboratory of Marine Drugs in collaboration with Syngenta and first reported in 2010. Penicinoline possesses broad spectrum insecticidal activity and potent cytotoxic activity. In silico screening indicates that penicinoline inhibits EGFR 696-1022 T790M associated with non-small cell lung cancer.

References

1. Penicinoline, a new pyrrolyl 4-quinolinone alkaloid with an unprecedented ring system from an endophytic fungus *Penicillium* sp. Shao C-L. et al., *Bioorg. Med. Chem. Lett.* 2010, 20, 3284.
2. Virtual screening of natural compounds as inhibitors of EGFR 696-1022 T790M associated with non-small cell lung cancer. Nand M. et al., *Bioinform.* 2016, 12, 311.