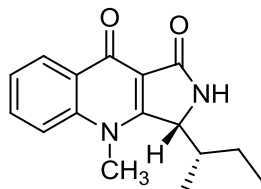


Quinolactacin A1

Code No.: **BIA-Q1073**

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



Synonyms :

Specifications

CAS #	: 815576-68-2
Molecular Formula	: C ₁₆ H ₁₈ N ₂ O ₂
Molecular Weight	: 270.3
Source	: <i>Penicillium citrinum</i>
Appearance	: White Powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Quinolactacin A1 is the dominant analogue of a family of quinolone metabolites produced by *Penicillium citrinum*. Quinolactacin A1 rapidly epimerises to equilibrate with its diastereomer quinolactacin A2 in protic solvents. The mixture has been shown to inhibit acetylcholinesterase and TNF production.

References

1. Biosynthesis of quinolactacin A, a TNF production inhibitor. Sasaki T. et al. J Antibiot. 2006, 59, 418.
2. Quinolactacins A1 and A2, new acetylcholinesterase inhibitors from *Penicillium citrinum*. Kim W.G. et al. J Antibiot. 2001, 54, 831.
3. Quinolactacins A, B and C: novel quinolone compounds from *Penicillium* sp. EPF-6. I. Taxonomy, production, isolation and biological properties. Kakinuma N. et al. J Antibiot. 2000, 53,1247.
4. Clark B. et al. Quinolactacins revisited: from lactams to imides and beyond. Org Biomol Chem. 2006, 4, 1512.

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