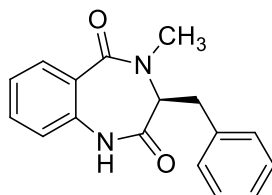


Cyclopeptine

Code No.: **BIA-C1154**

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



Synonyms : Benzyl-3,4-dihydro-4-methyl-1H-1,4-benzodiazepine-2,5-dione

Specifications

CAS #	: 50886-63-0
Molecular Formula	: C ₁₇ H ₁₆ N ₂ O ₂
Molecular Weight	: 280.3
Source	: <i>Penicillium</i> sp.
Appearance	: Colourless solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Cyclopeptine is a benzodiazepine metabolite produced by a number of species of *Penicillium*. While there is little literature about the metabolite, there is considerable interest in the enzymes responsible for the biosynthesis of the benzodiazepine nucleus, cyclopeptine synthetase.

References

1. Cyclopeptin und Dehydrocyclopeptin. Zwischenprodukte der Biosynthese von Alkaloiden der Cycloperin-Viridicatin-Gruppe bei *Penicillium cyclopium* Westling Framm, J. et al., Eur. J. Biochem., 1973, 37, 78.
2. Cyclopeptine synthetase activity in surface cultures of *Penicillium cyclopium*. W Lerbs W. and Luckner M.J. Basic Microbiol. 1985, 25, 387.