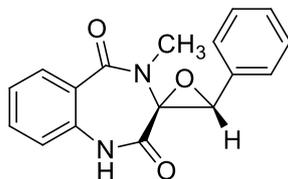


Cyclopenin

Code No.: **BIA-C1126**

Pack sizes: **5 mg, 25 mg**



Synonyms :

Specifications

CAS #	: 19553-26-5
Molecular Formula	: C₁₇H₁₄N₂O₃
Molecular Weight	: 294.3
Source	: Unidentified fungus
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Cyclopenin is one of an unusual family of benzodiazepine metabolites produced by a number of *Penicillium* species. Often mistakenly referred to as a mycotoxin, cyclopenin shows little toxicity against mammalian cells, bacteria or fungi in vitro. Cyclopenin is an intermediate in the biosynthesis of 3-O-methyl viridicatin, a strong inhibitor of TNF α -induced replication HIV. Lack of availability has hitherto restricted a more intensive investigation of this interesting metabolite.

References

1. Studies in the biochemistry of microorganisms. 93. Cyclopenin, a nitrogen-containing metabolic product of *Penicillium cyclopium* Westling. Bracken A. et al., *Biochem J.* 1954, 57, 587.
2. Isolation and characterization of the fungal metabolite 3-O-methylviridicatin as an inhibitor of tumor necrosis factor alpha-induced human immunodeficiency virus replication. Heguy A. et al., *Antivir. Chem. Chemother.* 1998, 9, 149.