

Product Name: Cyclophenin

Product Number: C191

CAS Number: 19553-26-5

Molecular Formula: $C_{17}H_{14}N_2O_3$

Molecular Weight: 294.3

Appearance: White solid

Storage Conditions: -20°C

Description: Cyclophenin is one of an unusual family of benzodiazepine metabolites produced by a number of *Penicillium* species. Often mistakenly referred to as a mycotoxin, cyclophenin shows little toxicity against mammalian cells, bacteria or fungi in vitro. Cyclophenin 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.

Cyclophenin is soluble in ethanol, methanol, DMF or DMSO.

References: Studies in the biochemistry of microorganisms. 93. Cyclophenin, a nitrogen-containing metabolic product of *Penicillium cyclopium* Westling. Bracken A. et al. *Biochem J.* 1954, 57, 587.

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.