

Product Name: Dehydrocyclopeptine

Product Number: D082

CAS Number: 31965-37-4

Molecular Formula: $C_{17}H_{14}N_2O_2$

Molecular Weight: 278.3

Description: Dehydrocyclopeptine 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.

Dehydrocyclopeptine is insoluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

References: Cyclopeptin und Dehydrocyclopeptin. Zwischenprodukte der Biosynthese von Alkaloiden der Cyclopenin - Viridicatin-Gruppe bei *Penicillium cyclopium* Westling Framm, J. et al. , Eur. J. Biochem. 1973, 37, 78.

Cyclopeptine synthetase activity in surface cultures of *Penicillium cyclopium*. W Lerbs W. and Luckner M.J. J. Basic Microbiol. 1985, 25, 387.