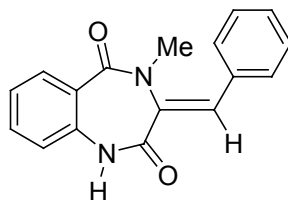


## Dehydrocyclopeptine

Code: **BIA-D1155**

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



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

### Specifications

CAS # : **31965-37-4**  
Molecular Formula : **C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>**  
Molecular Weight : **278.3**  
Source : ***Penicillium* sp. MST-FP1766**  
Appearance : **Colourless residue**  
Purity : **> 99% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility**

### Application Notes

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.

### References

1. 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.
2. Cyclopeptine synthetase activity in surface cultures of *Penicillium cyclopium*. W Lerbs W. and Luckner M. *J. Basic Microbiol.* **1985**, 25, 387.