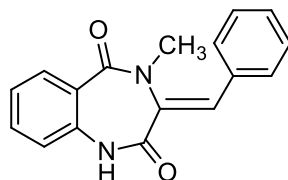


## Dehydrocyclopeptine

Code No.: **BIA-D1155**

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



Synonyms :

### 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	: <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

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. J. Basic Microbiol. 1985, 25, 387.