



Product Information

Product ID T1855

CAS No. 28540-82-1

Chemical Name

Synonym Cycloleucyl-N-methylalanylglycyl-N-methyl
dehydrophenylalanine

Formula $C_{22}H_{30}N_4O_4$

Formula Wt. 414.50

Melting Point 175-180 °C

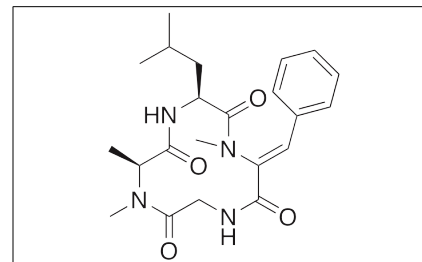
Purity ≥98%, HPLC

Solubility Soluble in DMSO (10
mg/mL), methanol (10
mg/mL), ethanol (10
mg/mL).

Store Temp 4 °C

Ship Temp Ambient

Description Tentoxin is a cyclic peptide mycotoxin initially produced by *Alternaria* fungi. Tentoxin inhibits the development of chloroplasts, inhibiting the transport of polyphenol oxidase and the energy transfer of CF1 ATPase in plants.



Bulk quantities available upon request

Product ID	Size
T1855	0.1 mg
T1855	1 mg
T1855	5 mg

References Duke SO, Dayan FE. Modes of action of microbially-produced phytotoxins. *Toxins (Basel)*. 2011 Aug;3(8):1038-64. Erratum in: *Toxins (Basel)*. 2012;4(10):955. PMID: 22069756.

Reimer S, Selman BR. Tentoxin-induced energy-independent adenine nucleotide exchange and ATPase activity with chloroplast coupling factor 1. *J Biol Chem*. 1978 Oct 25;253(20):7249-55. PMID: 151681.

Selman BR, Durbin RD. Evidence for a catalytic function of the coupling factor 1 protein reconstituted with chloroplast thylakoid membranes. *Biochim Biophys Acta*. 1978 Apr 11;502(1):29-37. PMID: 147703.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.