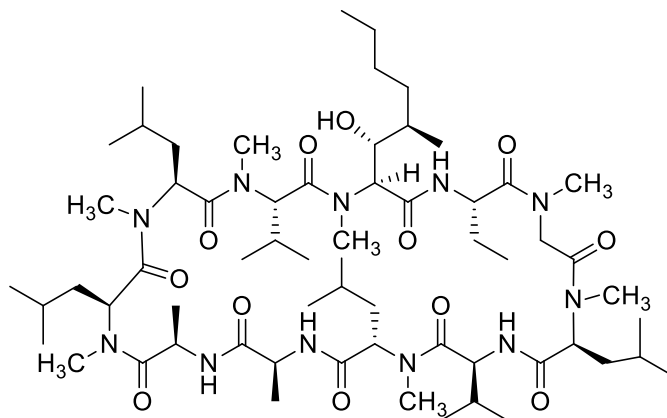


## Dihydrocyclosporin A

Code No.: **BIA-D1252**

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



Synonyms :

### Specifications

CAS #	: 59865-15-5
Molecular Formula	: C <sub>62</sub> H <sub>113</sub> N <sub>11</sub> O <sub>12</sub>
Molecular Weight	: 1204.6
Source	: <i>Trichoderma</i> sp.
Appearance	: White powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

### Application Notes

Dihydrocyclosporin A is a closely related co-metabolite of cyclosporin A. Dihydrocyclosporin A possesses no immunosuppressant activity and has found use as a control to determine the role of immunosuppression in the pharmacology of cyclosporin A, particularly in the treatment of parasitic infections.

### References

1. Isolation and identification of a novel human metabolite of cyclosporin A: dihydro-CsA M17. Meier G. P. et al., Drug Metab Dispos. 1990, 18, 68.
2. Dosage, timing, and route of administration of cyclosporin A and nonimmunosuppressive derivatives of dihydrocyclosporin A and cyclosporin C against *Schistosoma mansoni* in vivo and in vitro. Chappell L. H. et al., Antimicrob Agents Chemother. 1987, 31, 1567.
3. Action of cyclosporin A on the tapeworms *Hymenolepis microstoma*, *H. diminuta* and *Mesocestoides corti* in vivo. Chappell L. H. et al., Parasitology. 1989, 98, 291.