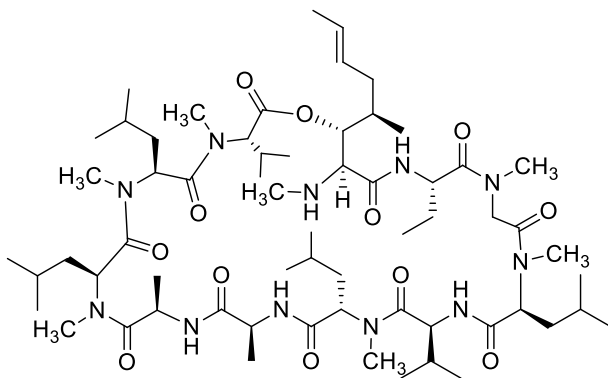


## Isocyclosporin A

Code No.: **BIA-I1262**

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



Synonyms :

### Specifications

CAS #	: 59865-16-6
Molecular Formula	: <b>C<sub>62</sub>H<sub>111</sub>N<sub>11</sub>O<sub>12</sub></b>
Molecular Weight	: <b>1202.6</b>
Source	: <b><i>Trichoderma</i> sp.</b>
Appearance	: <b>White powder</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</b>

### Application Notes

Isocyclosporin A is a rearranged degradation product formed by acid treatment of cyclosporin A under aqueous and non-aqueous conditions. This rearrangement has been used as the basis of a HPLC fluorescence for quantifying cyclosporin A. The pharmacology of isocyclosporin A has received little attention.

### References

1. Cyclosporin A, a peptide metabolite from *Trichoderma polysporum*, with remarkable immunosuppressive activity. Ruegger A. et al., *Helv. Chim. Acta* 1976, 59, 1075.
2. Hydrolysis of cyclosporin A: Identification of 1,11 seco-cyclosporin A and 4,5 seco-isocyclosporin A by FAB-MS/MS. Magni F. et al., *Peptides* 1995, 16, 1335.
3. Kinetics of acid-catalyzed degradation of cyclosporin A and its analogs in aqueous solution. Oliyai R. et al., *Int. J. Pept. Protein Res.* 1994, 43, 239.
4. Kinetics and mechanism of isomerization of cyclosporin A. Oliyai R. & Stella V. J. *Pharm. Res.* 1992, 9, 617.
5. Synthesis of a fluorescent derivative of cyclosporin A for high-performance liquid chromatography analysis. Fois R. A. & Ashley J. J. *J. Pharm. Sci.* 1991, 80, 363.