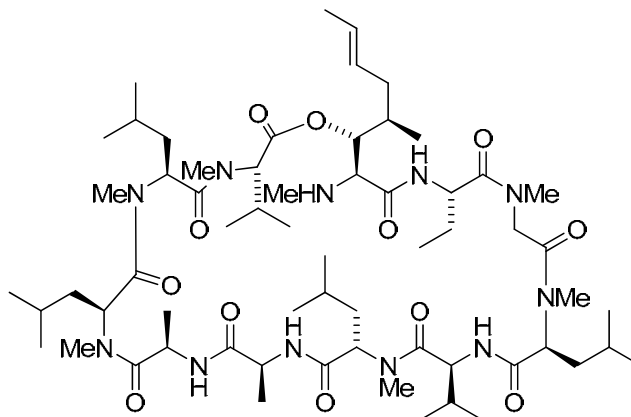


Isocyclosporin A

Code: **BIA-I1262**

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



Synonyms : -

Specifications

CAS #	: 59865-16-6
Molecular Formula	: C₆₂H₁₁₁N₁₁O₁₂
Molecular Weight	: 1201.8
Source	: <i>Trichoderma</i> sp.
Appearance	: White powder
Purity	: > 98% by HPLC
Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Isocyclosporin A is a rearranged degradation product formed by acid treatment of cyclosporine 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.