

**Product Name:** Isocyclosporin A

**Product Number:** I024

**CAS Number:** 59865-16-6

**Molecular Formula:**  $C_{62}H_{111}N_{11}O_{12}$

**Molecular Weight:** 1201.8

**Appearance:** White powder

**Storage Conditions:** -20°C

**Description:** 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.

Isocyclosporin A is soluble in ethanol, methanol, DMF or DMSO.

**References:** Fois RA and Ashley JJJ (1991) Synthesis of a fluorescent derivative of cyclosporin A for high-performance liquid chromatography analysis. Pharm. Sci. 80:363

Magni F, et al (1995) Hydrolysis of cyclosporin A: Identification of 1,11 seco-cyclosporin A and 4,5 seco-isocyclosporin A by FAB-MS/MS. Peptides 16(8):1335-1341 PMID 8745041

Oliyai R. et al. (1994) Kinetics of acid-catalyzed degradation of cyclosporin A and its analogs in aqueous solution. Int. J. Pept. Protein Res. 43(3):239-247 PMID 8005746

Ruegger A (1976) Cyclosporin A, a peptide metabolite from Trichoderma polysporum, (Link ex Pers.) Rifai, with remarkable immunosuppressive activity. Helv. Chim. Acta 59(14):1075-1092 PMID 950308