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Produktinformation



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Isocyclosporin A

Item No. 19462

CAS Registry No.: 59865-16-6

Formal Name: (11→1)-lactone-(2S,3R,4R,6E)-3-hydroxy-4-methyl-2-(methylamino)-6-octenoyl-(2S)-2-aminobutanoyl-N-methylglycyl-N-methyl-L-leucyl-L-valyl-N-methyl-L-leucyl-L-alanyl-D-alanyl-N-methyl-L-leucyl-N-methyl-L-leucyl-N-methyl-L-valine

MF: $C_{62}H_{111}N_{11}O_{12}$

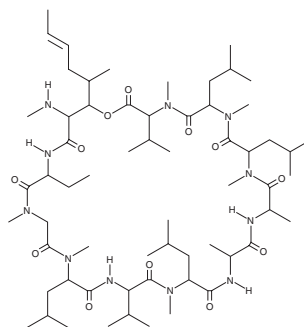
FW: 1,202.6

Purity: ≥98%

Supplied as: A powder

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

Isocyclosporin A is supplied as a powder. A stock solution may be made by dissolving the isocyclosporin A in the solvent of choice. Isocyclosporin A is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide, which should be purged with an inert gas.

Isocyclosporin A is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

Isocyclosporin A is an isomer of cyclosporin A (Item No. 12088) that forms upon acid hydrolysis or upon ionization during mass spectrometry (MS).^{1,2} A method to differentiate the two isomers during MS has been described.¹

References

1. Cirigliano, A. M., and Cabrera, G. M. Differentiation of cyclosporin A from isocyclosporin A by liquid chromatography/electrospray ionization mass spectrometry with post-column addition of divalent metal salt. *Rapid Commun. Mass Spectrom.* **28**(5), 465-470 (2014).
2. Oliyai, R., and Stella, V. J. Kinetics and mechanism of isomerization of cyclosporin A. *Pharm. Res.* **9**(5), 617-622 (1992).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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