Cyclosporin D
Item No. 15477

CAS Registry No.: 63775-96-2
Formal Name: 7-L-valine-cyclosporin A
MF: C_{63}H_{113}N_{11}O_{12}
FW: 1216.7
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Lab Procedures

Cyclosporin D is supplied as a solid. A stock solution may be made by dissolving the cyclosporin D in the solvent of choice. Cyclosporin D is soluble in the organic solvent ethanol, which should be purged with an inert gas. We do not recommend storing the aqueous solution for more than one day.

Description

Cyclosporin D is a metabolite of cyclosporin A, an immunosuppressant drug that binds cyclophilin D, inhibiting the phosphatase activity of calcineurin in T cells.\(^1,2\) Cyclosporin D displays about 10% lower immunosuppressant activity than cyclosporin A.\(^3,4\) Cyclosporin D has been used as an internal standard for the quantification of cyclosporin A.\(^5\)

References