**Product Information**

**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: 1,216.7  
Purity: ≥95%  
Stability: ≥2 years at -20°C  
Supplied as: A white powder

**Labotorory Procedures**

For long term storage, we suggest that cyclosporin D be stored as supplied at -20°C. It should be stable for at least two years.

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

Cyclosporin D 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.

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**


**Related Products**

For a list of related products please visit: [www.caymanchem.com/catalog/15477](http://www.caymanchem.com/catalog/15477)

**WARNING:** This product is for laboratory research only; not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.

**SAFETY DATA**

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet specifications at the time of delivery.

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Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

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