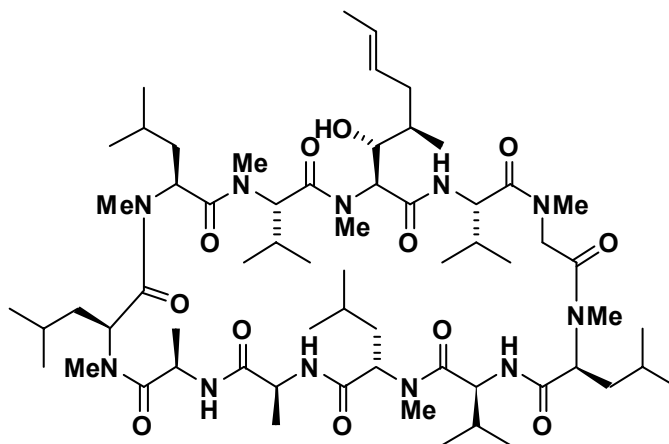


Cyclosporin D

Code: **BIA-C1247**

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



Synonyms : **7-L-valinecyclosporine A**

Specifications

CAS # : **63775-96-2**
Molecular Formula : **C₆₃H₁₁₃N₁₁O₁₂**
Molecular Weight : **1216.7**
Source : ***Trichoderma* sp.**
Appearance : **White powder**
Purity : **> 95% by HPLC**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

Cyclosporin D is a minor analogue of the cyclosporin family which is only weakly immunologically active. Cyclosporin D is a potent inhibitor of tumor-promoting phorbol esters on mouse skin *in vivo* and a potent inhibitor of calcium/calmodulin-dependent EF-2 phosphorylation *in vitro*.

References

1. The weak immunosuppressant cyclosporine D as well as the immunologically inactive cyclosporine H are potent inhibitors *in vivo* of phorbol ester TPA-induced biological effects in mouse skin and of Ca²⁺/calmodulin dependent EF-2 phosphorylation *in vitro*. Gschwendt M. et al. BBRC 1988, 150, 545.