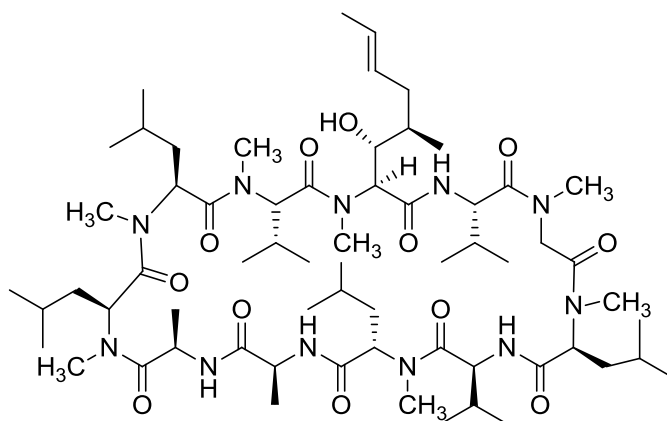


## Cyclosporin D

Code No.: **BIA-C1247**

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



Synonyms : 7-L-valinecyclosporine A

## Specifications

CAS #	: 63775-96-2
Molecular Formula	: C <sub>63</sub> H <sub>113</sub> N <sub>11</sub> O <sub>12</sub>
Molecular Weight	: 1216.7
Source	: <i>Trichoderma</i> sp.
Appearance	: White powder
Purity	: >95% by HPLC
Long Term 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 Ca<sup>2+</sup>/calmodulin dependent EF-2 phosphorylation in vitro. Gschwendt M. et al., BBRC 1988, 150, 545.