Optical Rotation: $[\alpha]_D$ –244 ($CHCl_3$). $[\alpha]_D$ –175 (MeOH)

>>**Derivative:** 4-L-Leucine, 10-L-alanine analogue

CAS Registry Number: 186600-06-6

Molecular Formula: $C_{59}H_{105}N_{11}O_{13}$
Molecular Weight: 1176.544
Accurate Mass: 1175.789334
Percentage Composition: C 60.23%; H 8.99%; N 13.10%; O 17.68%
Biological Source: Prod. by *Acremonium luzulae*
Physical Description: Powder
Optical Rotation: $[\alpha]_D$ –234 ($CHCl_3$). $[\alpha]_D$ –161 (MeOH)

>>**Variant: Cyclosporin D**
Synonym(s): 7-L-Valinecyclosporin A, 9Cl

CAS Registry Number: 63775-96-2

Molecular Formula: $C_{63}H_{113}N_{11}O_{12}$
Molecular Weight: 1216.652
Accurate Mass: 1215.857019
Percentage Composition: C 62.19%; H 9.36%; N 12.66%; O 15.78%
Biological Source: Metab. of *Trichoderma inflatum*
Physical Description: Cryst. (Me_2CO at –15°)
Melting Point: Mp 148-151°
Optical Rotation: $[\alpha]_D^{20}$–252 (c, 0.52 in MeOH)
Solubility: Sol. MeOH, Et_2O, $CHCl_3$, Me_2CO; poorly sol. H_2O, C_6H_6, hexane

>>**Derivative:** N^*-De-Me
Synonym(s): Cyclosporin I. 4-L-Leucine-7-L-valinecyclosporin A, 9Cl

CAS Registry Number: 83563-93-3

Molecular Formula: $C_{62}H_{111}N_{11}O_{12}$
Molecular Weight: 1202.625
Accurate Mass: 1201.841369
Percentage Composition: C 61.92%; H 9.30%; N 12.81%; O 15.96%
Biological Source: From *Trichoderma inflatum*
Physical Description: Amorph.
Melting Point: Mp 137-140°
Optical Rotation: $[\alpha]_D^{20}$–220 (c, 0.71 in $CHCl_3$)
Solubility: Sol. MeOH, EtOAc; poorly sol. H_2O, hexane

>>**Derivative:** Deoxy
Synonym(s): Amdray. **Valspodar,** BAN**.** PSC 833. SDZ PSC 833

CAS Registry Number: 121584-18-7

Molecular Formula: $C_{63}H_{113}N_{11}O_{11}$
Molecular Weight: 1200.653
Accurate Mass: 1199.862104
Percentage Composition: C 63.02%; H 9.49%; N 12.83%; O 14.66%
Biological Use/Importance: Antineoplastic agent. Semisynthetic cyclosporin showing strong ability to induce multidrug resistance coupled with absence of immunosuppressive props.Used in the treatment of ovarian cancer

>>**Derivative:** 7"-Hydroperoxide
Synonym(s): Cyclosporin D hydroperoxide

CAS Registry Number: 169211-04-5

Molecular Formula: $C_{63}H_{113}N_{11}O_{14}$
Molecular Weight: 1248.651
Accurate Mass: 1247.846849
Percentage Composition: C 60.60%; H 9.12%; N 12.34%; O 17.94%
Biological Source: Metab. of *Tolypocladium terricola*
Physical Description: Amorph.