



**CAS Registry Number:** 63798-73-2

**Molecular Formula:** C<sub>61</sub>H<sub>109</sub>N<sub>11</sub>O<sub>12</sub>

**Molecular Weight:** 1188.599

**Accurate Mass:** 1187.825719

**Percentage Composition:** C 61.64%; H 9.24%; N 12.96%; O 16.15%

**Biological Source:** From *Trichoderma inflatum*

**Physical Description:** Cryst. (Et<sub>2</sub>O)

**Melting Point:** Mp 149-152° (142-144°)

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> −179 (CHCl<sub>3</sub>)

**Solubility:** Sol. MeOH, Et<sub>2</sub>O, CHCl<sub>3</sub>, Me<sub>2</sub>CO; poorly sol. H<sub>2</sub>O, C<sub>6</sub>H<sub>6</sub>, hexane

>>Variant: Cyclosporin G

**Synonym(s):** 7-L-Norvalinecyclosporin A, 9Cl. Hetecimus

**CAS Registry Number:** 74436-00-3

**Molecular Formula:** C<sub>63</sub>H<sub>113</sub>N<sub>11</sub>O<sub>12</sub>

**Molecular Weight:** 1216.652

**Accurate Mass:** 1215.857019

**Percentage Composition:** C 62.19%; H 9.36%; N 12.66%; O 15.78%

**Biological Source:** From *Trichoderma inflatum*

**Physical Description:** Cryst. (Et<sub>2</sub>O/petrol)

**Melting Point:** Mp 196-197°

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> −245 (CHCl<sub>3</sub>)

**Solubility:** Sol. MeOH, CHCl<sub>3</sub>

>>Variant: Cyclosporin H

**Synonym(s):** 5-(N-Methyl-D-valine)cyclosporin A, 9Cl

**CAS Registry Number:** 83602-39-5

**Molecular Formula:** C<sub>62</sub>H<sub>111</sub>N<sub>11</sub>O<sub>12</sub>

**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:** Cryst. (Et<sub>2</sub>O)

**Melting Point:** Mp 162-165°

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> −177 (c, 0.75 in CHCl<sub>3</sub>)

**Solubility:** Sol. MeOH, EtOAc; fairly sol. hexane; poorly sol. H<sub>2</sub>O, hexane

>>Variant: Cyclosporin J

**Synonym(s):** 6-L-(N-Methyllleucine)cyclosporin A

**CAS Registry Number:** 121604-28-2

**Molecular Formula:** C<sub>59</sub>H<sub>107</sub>N<sub>11</sub>O<sub>11</sub>

**Molecular Weight:** 1146.561

**Accurate Mass:** 1145.815154

**Percentage Composition:** C 61.81%; H 9.41%; N 13.44%; O 15.35%

**Biological Source:** Prod. by *Tolypocladium terricola*

**Physical Description:** Powder

**Melting Point:** Mp 136°

**Optical Rotation:** [α]<sub>D</sub><sup>25</sup> −283.5 (CHCl<sub>3</sub>)

>>Variant: Cyclosporin K

**Synonym(s):** 6-(2-L-Amino-N,4-dimethyl-6-octenoic acid)-7-L-valinecyclosporin A

**CAS Registry Number:** 108027-38-9

**Molecular Formula:** C<sub>63</sub>H<sub>113</sub>N<sub>11</sub>O<sub>11</sub>

**Molecular Weight:** 1200.653

**Accurate Mass:** 1199.862104

**Percentage Composition:** C 63.02%; H 9.49%; N 12.83%; O 14.66%

**Physical Description:** Amorph.

**Melting Point:** Mp 127-132°