



Product Information

Product ID C9611

CAS No. 59865-13-3

Chemical Name

Synonym Cyclosporine, Ciclosporin, Sandimmun, Neoral

Formula $C_{62}H_{111}N_{11}O_{12}$

Formula Wt. 1202.61

Melting Point 148-151 °C

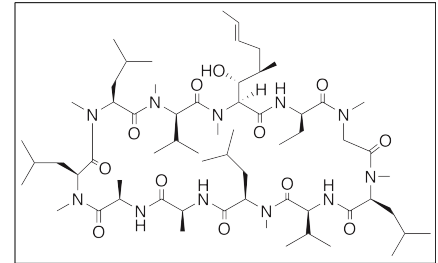
Purity ≥98%

Solubility Soluble in methanol, ethanol, acetone, ether or chloroform. Very slightly soluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Cyclosporin A is a cyclic peptide that exhibits immunosuppressive activity. Cyclosporin A is clinically used to prevent rejection in organ transplants and to treat or prevent graft-versus-host disease (GvHD). Cyclosporin A binds cyclophilin, inhibiting calcineurin and decreasing levels of IL-2 and activated T cells. Cyclosporin A also shows benefit in the treatment of traumatic brain injury.



Bulk quantities available upon request

Product ID	Size
C9611	10 mg
C9611	50 mg
C9611	100 mg
C9611	500 mg
C9611	1 g

References Lulic D, Burns J, Bae EC, et al. A review of laboratory and clinical data supporting the safety and efficacy of cyclosporin A in traumatic brain injury. *Neurosurgery*. 2011 May;68(5):1172-86. PMID: 21307793.

Reynolds NJ, Al-Daraji WI. Calcineurin inhibitors and sirolimus: mechanisms of action and applications in dermatology. *Clin Exp Dermatol*. 2002 Oct;27(7):555-61. PMID: 12464150.

Handschumacher RE, Harding MW, Rice J, et al. Cyclophilin: a specific cytosolic binding protein for cyclosporin A. *Science*. 1984 Nov 2;226(4674):544-7. PMID: 6238408.

Koseki N, Deguchi J, Yamashita A, et al. Establishment fo a novel experimental protocol for drug-induced seizure liability screening based on a locomotor activity assay in zebrafish. *J Toxicol Sci*. 2014 Aug;39(4):579-600. PMID: 25056783.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.