



LKT Laboratories, Inc.

Cyclosporin A

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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

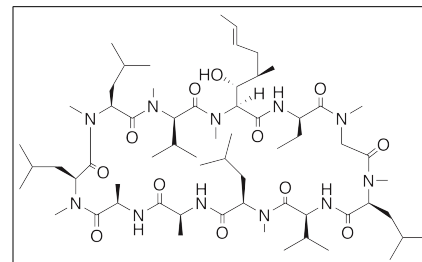
Purity ≥98%

Solubility Soluble in methanol, ethanol, acetone, ether or chloroform. Also soluble in DMSO (>50 mg/mL). 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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C9611	10 mg	\$45.30
C9611	50 mg	\$67.80
C9611	100 mg	\$97.70
C9611	500 mg	\$263.00
C9611	1 g	\$375.60

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 of 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.