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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Data Sheet

Research Use Only

Compound Name

Cyclosporin A

Catalog Number

SM43

Activity

Cyclosporin A (CsA) is a non-polar cyclic oligopeptide metabolite. It possesses potent immunosuppressive properties, affecting primarily T-lymphocytes. Cyclosporin A is the primary tool used to prevent rejection following solid organ and/or bone marrow transplantation.

Purity

>99%

Formula

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

Solubility

DMSO, ethanol

References

1. Anastasia, L., et al. 2010. Cell Death Diff. 17(8): 1230-1237. PMID: 20168332
2. Woillard, J., et al. 2014. Br J Clin Pharmacol. epub. PMID: 24698009

Alternative Names

Cyclosporine, Antibiotic S 7481F1, Ciclosporin A, Ramihyphin A, CsA

Effect

It inhibits phosphatase activity of calcineurin. Also inhibits formation and opening of the mitochondrial permeability transition pore (MPTP).

CAS

59865-13-3

Molecular Weight

1202.61

Stability

Stable at -20°C. Keep away from direct sunlight.