



# Data Sheet

Research Use Only

## Compound Name

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Cyclosporin A

## Catalog Number

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SM43

## Activity

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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

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>99%

## Formula

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

## Solubility

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DMSO, ethanol

## References

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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

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

## Effect

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

## CAS

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59865-13-3

## Molecular Weight

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1202.61

## Stability

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