

## Cyclosporin-A

**Item Number** rAP-2628

**Synonyms**

**Description** Cyclosporin is a cyclic polypeptide immunosuppressant agent consisting of 11 amino acids and having a molecular weight of 1202.64. It is produced as a metabolite by the fungus species *Beauveria nlyea*. Chemically, cyclosporin is designated as [R-[R\*,R\*-(E)]]-cyclic(L-alanyl-D- alanyl-N-methyl-L-leucyl-N-methyl-L-

**Uniprot Accession Number**

**Amino Acid Sequence**

**Source** Beauveria Nlyea.

**Physical Appearance and Stability** Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Cyclosporin A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cyclosporin A should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Formulation and Purity** The Cyclosporin-A was lyophilized from a concentrated (1mg/ml) solution with no additives. Greater than 99.0% as determined by RP-HPLC.

**Application**

**Solubility** It is recommended to reconstitute the lyophilized Cyclosporin-A in anhydrous ethanol R at a concentration of 50mg/ml.

**Biological Activity**

**Shipping Format and Condition** Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**