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# Cyclosporin A

*Cyclosporin-A*
*NTP0018*

## Product Overview

| | |
|---|---|
| Name | Cyclosporin A |

**Description**

Cyclosporin-A

**Introduction**

Cyclosporin A is a noncytotoxic, natural, 11 amino acid cyclic peptide used clinically as an immunosuppressant for the treatment of autoimmune and inflammatory disorders and to prevent organ rejection after transplantation. Cyclosporin acts chiefly by inhibiting T lymphocyte function, which is vital for the propagation of inflammation. Cyclosporin A does not suppress the activity of other hematopoietic cells, does not cause bone marrow suppression and has a rapid onset of action as opposed to other immunosuppressive agents. Nevertheless, Cyclosporin A -induced nephrotoxicity remains an important clinical problem, and oxidative stress has been implicated as a potential responsible mechanism.

**Source**

Beauveria Nivea.

**Physical Appearance**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation**

The Cyclosporin-A was lyophilized from a concentrated (1mg/ml) solution with no additives.

**Stability**

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.

**Purity**

Greater than 99.0% as determined by RP-HPLC.

**Solubility**

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

**Precautions**

Cyclosporin A is for research use only and not for use in diagnostic or therapeutic procedures.