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Type of Document:

TECHNICAL DATA SHEET

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6.0

92089-CYCLOSPORINE

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

1.1 Identification of the substance or preparation

Name: Cyclosporine

Bulk code: 92089

1.2 Synonyms

Ciclosporin; OL-27-400; Ciclosporin a.

2. DESCRIPTION

Appearance: Powder.

Colour: White or almost white

Smell: Odourless.

3. COMPOSITION/INFORMATION ON COMPONENTS

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

CAS: 59865-13-3

Molecular weight: 1203 g/mol

4. PHYSICO-CHEMICAL DATA

See detailed specifications in analysis report.

Solubility: Practically insoluble in water; easily soluble in ethanol and methylene chloride.

5. PROPERTIES/USES

ACTIVE PHARMACEUTICAL INGREDIENT

Cyclosporine is a potent immunosuppressant with a specific action on T cells.

Cyclosporine is a potent immunosuppressant that appears to act specifically on lymphocytes, primarily helper T cells, and inhibits the production of lymphokines, including interleukin-2, resulting in a depression of the cell-mediated immune response. Unlike most other immunosuppressants, it has little effect on bone marrow.

It is administered orally for prophylaxis of graft rejection in organ and tissue transplantation, alone or accompanied by corticosteroids (and often other immunosuppressants). It has also been tested in a wide range of autoimmune disorders.



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6. DOSAGE

Orally:

2-15 mg/kg/day, according to pathologies.

7. REMARKS

STORAGE:

Store at room temperature ($25\pm 2^{\circ}\text{C}$), in a cool, dry place, away from sunlight, in a tightly closed container.

The product has been handled in a NON-sterile room; for batches suitable for sterile use, check availability.

8. BIBLIOGRAPHY

"Martindale. The Extra Pharmacopoeia". 30th Edition. Ed. The Pharmaceutical Press. London. (1993).