

Cyclosporin A Recombinant Protein



RPPB3470

Product Information Protein Information

Product SKU:

RPPB3470

Host:

Beauveria Nlyea.

Protein 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-leucyl-N-methyl-L-valyl-3-hydroxy-N, 4-dimethyl-L-2-amino-6-octenoyl-L-a-amino-butyryl-N-methylglycyl-N- methyl-L-leucyl-L-valyl-N-methyl-L-leucyl). Molecular Formula: C₆₂H₁₁₁N₁₁O₁₂.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

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

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.

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.