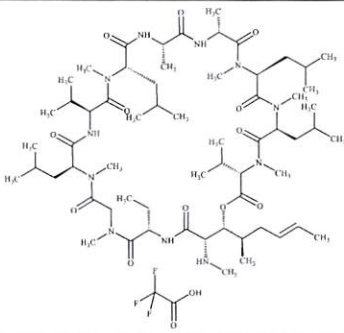


Certificate of Analysis



Certificate No.: 20260623001

Date: June 23, 2026

Retest date: June 2, 2027

Compound Name:	Ciclosporin EP Impurity C Trifluoroacetate (Iso Cyclosporin A Trifluoroacetate)	
Synonyms:	(3S,6S,9S,12R,15S,18S,21S,24S,30S,33S,34R)-30-ethyl-34-((R,E)-hex-4-en-2-yl)-6,9,18,24-tetraisobutyl-3,21-diisopropyl-4,7,10,12,15,19,25,28-octamethyl-33-(methylamino)-1-oxa-4,7,10,13,16,19,22,25,28,31-decaazacyclotetriacontan-2,5,8,11,14,17,20,23,26,29,32-undecaone, 2,2,2-trifluoroacetic acid (1:1)	
TLC Catalogue Number:	PC-5456	
CAS Number:	N/A	
Alternate CAS Number:	59865-16-6 (free base)	
Molecular Weight:	1202.64 114.02	
Molecular Formula:	C ₆₂ H ₁₁₁ N ₁₁ O ₁₂ . C ₂ HF ₃ O ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7309-065A10	
Storage Conditions:	Store at -20 °C	
Solubility:	DMSO, Acetonitrile	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification IR MS ¹ H NMR ¹⁹ F NMR	Conforms to structure Conforms to structure Conforms to structure Conforms to structure	Conforms Conforms Conforms Conforms
Purity (HPLC)	Not less than 95.0%	97.2%
Impurity (HPLC)	RT 16.91, 0.28%; RT 24.72, 0.50%; RT 26.41, 1.36%	
Water Content (KF)	N/A	3.2%
Residual Solvents (qNMR)	1.5% trifluoroacetic acid	
Assay (%)	Not less than 90.0%	92.6%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/23/2026
Approved by:	Quality Assurance		06/23/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.