Certificate Of Analysis

Analysis Date: 02-09-2025

Re-test Date: 02-09-2028

TACROLIMUS 13C D4

Identification

Chemical Name : Tacrolimus-13C,D4

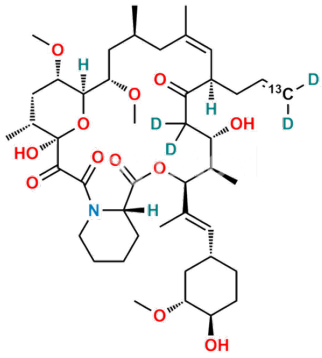
CAT No : ALL-TO9729

CAS No : N.A

Molecular Formula : C4313CH65D4NO12

Molecular Weight : 809.04

Exact Mass : 808.51



Analytical Information

Batch No	: ALL-TO9729	**HPLC Purity**	: 94.13 %
Solubility	: MeOH: ACN	**Potency**	: 92.07 %
Appearance of Product	: Off White Solid	**Isotopic Enrichment**	: 98%
Long Term Storage	: 2-8 0C	**Mass**	: Confirm
Residue Of Ignition	: 0.756	**IR Analysis**	: Confirm
Weight Loss By TGA	: 1.429	**1HNMR**	: Confirm

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =

[100 – (1.429+0.756) × 94.13]/100 = 92.07 %

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse QA Officer	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E),Mumbai, Maharashtra 421203