

Analysis Date: 24-09-2024

Re-test Date: 24-09-2027

TACROLIMUS O ETHYL OPEN RING (PEAK 2) - USP

Identification

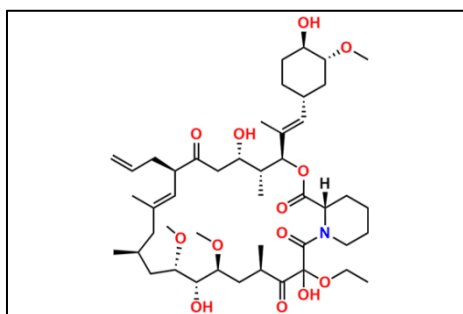
Chemical Name : (3S,4R,5S,8R,12S,14S,15R,16S,18R,26aS,E)-8-Allyl-20-ethoxy-5,15,20-trihydroxy-3-[(E)-1-[(1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl]prop-1-en-2-yl]-14,16-dimethoxy-4,10,12,18-tetramethyl-3,4,5,6,11,12,13,14,15,16,17,18,24,25,26,26a-hexadecahydro-7H-pyrido[2,1-c][1]oxa[4]azacyclotricosine-1,7,19,21(8H,20H,23H)-tetraone.

CAT No : ALL-T08448

CAS No : N.A.

Molecular Formula : C₄₆H₇₅NO₁₃

Molecular Weight : 850.1



Analytical Information

Batch No.	: ALL-T08448	HPLC Purity	: 94.51 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 92.85 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.021 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.733 %	¹³C NMR	: Confirm

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (1.021 + 0.733) \times 94.51] / 100 = 92.85 \%$$

Recommendation : Released

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

Attachment : HPLC, Mass, ¹H NMR, IR, TGA, ¹³C NMR, Q-NMR, UV REPORT

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

Corporate Office

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