

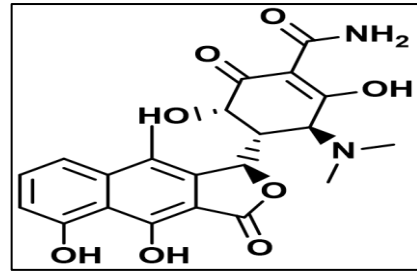
Analysis Date: 20-01-2026

Re-test Date: 20-01-2029

OXYTETRACYCLINE EP IMPURITY D

Identification

Chemical Name	: (3S,4S,5S)-4-[(1R)-4,5-dihydroxy-9-methyl-3-oxo-1,3-dihydronaphtho[2,3-c]furan-1-yl]-3-(dimethylamino)-2,5-dihydroxy-6-oxocyclohex-1-enecarboxamide
CAT No	: ALL-OXYT-5
CAS No	: 18695-01-7
Molecular Formula	: C ₂₂ H ₂₂ N ₂ O ₈
Molecular Weight	: 442.42



Analytical Information

Batch Code	: ALL-OXYT-5	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.45%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.351%	¹H NMR	: Confirm
Residue Of Ignition	: 1.225%		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.351 + 1.225) \times 98.00] / 100 = 96.45\%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
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