

Analysis Date: 07-01-2026

Re-test Date: 07-01-2029

## OXYTETRACYCLINE EP IMPURITY F

### Identification

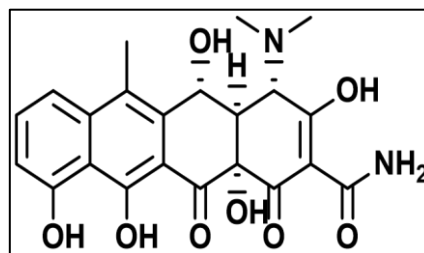
**Chemical Name** : (4S,4aR,5R,12aS)-4-(Dimethylamino)-3,5,10,11,12a-pentahydroxy-6-methyl-1,12-dioxo-1,4,4a,5,12,12a-hexahydrotetracene-2-carboxamide

**CAT No** : ALL-OXYT-7

**CAS No** : NA

**Molecular Formula** : C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>O<sub>8</sub>

**Molecular Weight** : 442.42



### Analytical Information

<b>Batch No</b>	: ALL-OXYT-7	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.32 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.541%	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.143%		

### Additional Information

**%Potency** = [100 -( Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 – (0.541+0.143) × 98.00]/100 = 97.32 %

**Recommendation** : Released

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

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR

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

#### Corporate Office