

Analysis Date: 05-01-2026

Re-test Date: 05-01-2026

## OXYTETRACYCLINE EP IMPURITY C

### Identification

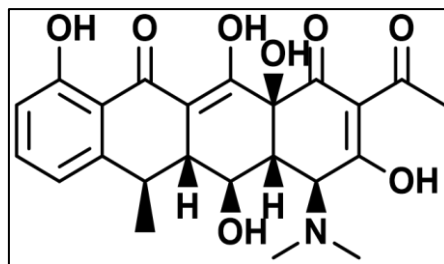
**Chemical Name** : (4S,4aR,5S,5aR,6R,12aS)-2-Acetyl-4-(dimethylamino)-3,5,10,12,12a-pentahydroxy-6-methyl-4a,5a,6,12a-tetrahydrotetracene-1,11(4H,5H)-dione

**CAT No** : ALL-OXYT-4

**CAS No** : 6542-44-5

**Molecular Formula** : C<sub>23</sub>H<sub>25</sub>NO<sub>8</sub>

**Molecular Weight** : 443.45



### Analytical Information

<b>Batch Code</b>	: ALL-OXYT-4	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.11 %
<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>	: 0.415%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.484 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.415+0.484) × 98.00]/100 = 97.11 %

**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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office