



## CERTIFICATE OF ANALYSIS

Date: 17-01-2026

Product Name	<b>Oxytetracycline EP Impurity C</b>		
Chemical Name	(4S,4aR,5S,5aR,6S,12aS)-2-Acetyl-4-(dimethylamino)-3,5,6,10,12,12a-hexahydroxy-6-methyl-4a,5a,6,12a-tetrahydrotetracene-1,11(4H,5H)-dione		
Structure	<p>The chemical structure is a complex polycyclic compound. It features a central tetracyclic core with a fused pyridine ring. The core is substituted with multiple hydroxyl groups (OH) and a dimethylamino group (-N(CH3)2). Double bonds are present in the core structure, and there are methyl groups (CH3) attached to some of the carbons.</p>		
Batch No.	-	CAS No.	7647-65-6
Analysis Date	-	Retest Date	10
Mol. Formula	C <sub>23</sub> H <sub>25</sub> NO <sub>9</sub>	Molecular Wt.	459.5
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

**Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.**

	Prepared By	Checked By	Approved By
Signature			
Date			

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