



CERTIFICATE OF ANALYSIS



Date: 11-02-2026

Product Name	Paclitaxel EP Impurity F		
Chemical Name	(aR,7S)-a-Hydroxy-7-[methyl(1-oxoethyl)amino]-2-benzenepropanoic Acid (2aR,7aS,7aS,711S,712S,712aR,712bS)-76,712b-7bis(acetoxy)-7-712-7[benzoyloxy]-7-72a,73,74a,75,76,79,711,712,712a,712b-2dodecahydro-24,711-2dihydroxy-74a,28,713,713-7tetramethyl-75-7exo-77,711-2methano-71H-2cyclodeca[3,4]benz[1,2-7b]oxet-29-2yl Ester; [2aR-{2aa,4?4a?67,9a(aH*2S*)11a,12aa,12ba]-a-Hydroxy-2-[methyl(1-oxohexylamino)-benzene]propanoic acid 6,12b-bis(acetoxy)-12-[benzoyloxy]-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl Ester; 7,11-Methano-1H-cyclo		
Structure	<p>The chemical structure shows a complex polycyclic system. It features a central benzene ring fused with a cyclohexene ring. The cyclohexene ring has a hydroxyl group (-OH) at position 1 and a benzylamino group (-CH2CH3NH-) at position 2. At position 3, there is a carbonyl group (-C=O) which is part of a 7-oxo-7-oxetan-2-yl ester side chain. The side chain includes a 2-methoxy-2-methylpropyl group (-CH2CH(OCH3)CH3) attached to the ester oxygen. The cyclohexene ring also has a 2-acetoxy group (-CH2COCH3) at position 4 and a 2-acetoxy-2-methylpropyl group (-CH2CH(OCH3)CH3) at position 5. The cyclohexene ring is further substituted with a 2-acetoxy-2-methylpropyl group at position 7 and a 2-acetoxy-2-methylpropyl group at position 12. The cyclohexene ring is also fused with a 1,2-dihydro-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl group at position 11.</p>		
Batch No.	-	CAS No.	153083-53-5
Analysis Date	-	Retest Date	2
Mol. Formula	C ₄₁ H ₅₂ NO ₁₄	Molecular Wt.	862
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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