



CERTIFICATE OF ANALYSIS



Date: 11-02-2026

Product Name	Paclitaxel EP Impurity P		
Chemical Name	N-Debenzoyl-N-(phenylacetyl)paclitaxel ; (aR,?S)-a-Hydroxy-?-[(phenylacetyl)amino]benzenepropanoic Acid (2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-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; [2aR-[2aa,a?4a?6?9a(aR*?S*)]11a,12a,12aa,12ba]-a-Hydroxy-?-[(phenylacetyl)amino]benzenepropanoic 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; Paclitaxel Impurity P		
Structure	<p>The chemical structure is a complex polycyclic compound. It features a central tricyclic core with a cyclohexenone ring fused to a cyclopentenone ring, which is further fused to a cyclopentane ring. The cyclopentane ring has a hydroxyl group (OH) and a phenyl group (Ph). Attached to the cyclopentane ring is a cyclohexenone ring with a carbonyl group (C=O) and a phenyl group (Ph). The cyclohexenone ring is substituted with a phenyl group (Ph) and a carbonyl group (C=O). The entire structure is substituted with various groups including phenyl, methyl, and hydroxyl groups, and is labeled with stereochemical markers (R, S, a, b, ?).</p>		
Batch No.	-	CAS No.	173101-56-9
Analysis Date	-	Retest Date	2
Mol. Formula	C ₄₈ H ₅₃ NO ₁₄	Molecular Wt.	867.9
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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