



CERTIFICATE OF ANALYSIS



Date: 30-01-2026

Product Name	Dinoprostone		
Chemical Name	(Z)-7-[(1R,2R,3R)-3-Hydroxy-2-[(E)-(3S)-3-hydroxyoct-1-enyl]-5-oxocyclopentyl]hept-5-enoic acid		
Structure	<p>The chemical structure of Dinoprostone is a complex molecule. It features a cyclopentenone ring with a hydroxyl group (HO) and a ketone group (C=O). Attached to the cyclopentenone ring is a cyclopentyl group, which is substituted with a hydroxyl group (HO) and a ketone group (C=O). This cyclopentyl group is further substituted with a long-chain hept-5-enoic acid side chain. The side chain consists of a hept-5-enoate group (a seven-carbon chain with a terminal carboxylic acid group and a double bond at the 5-position) and a branched chain ending in a hydroxyl group (HO).</p>		
Batch No.	-	CAS No.	363-24-6
Analysis Date	-	Retest Date	1
Mol. Formula	C ₂₀ H ₃₂ O ₅	Molecular Wt.	352.5
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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