

Certificate of Analysis

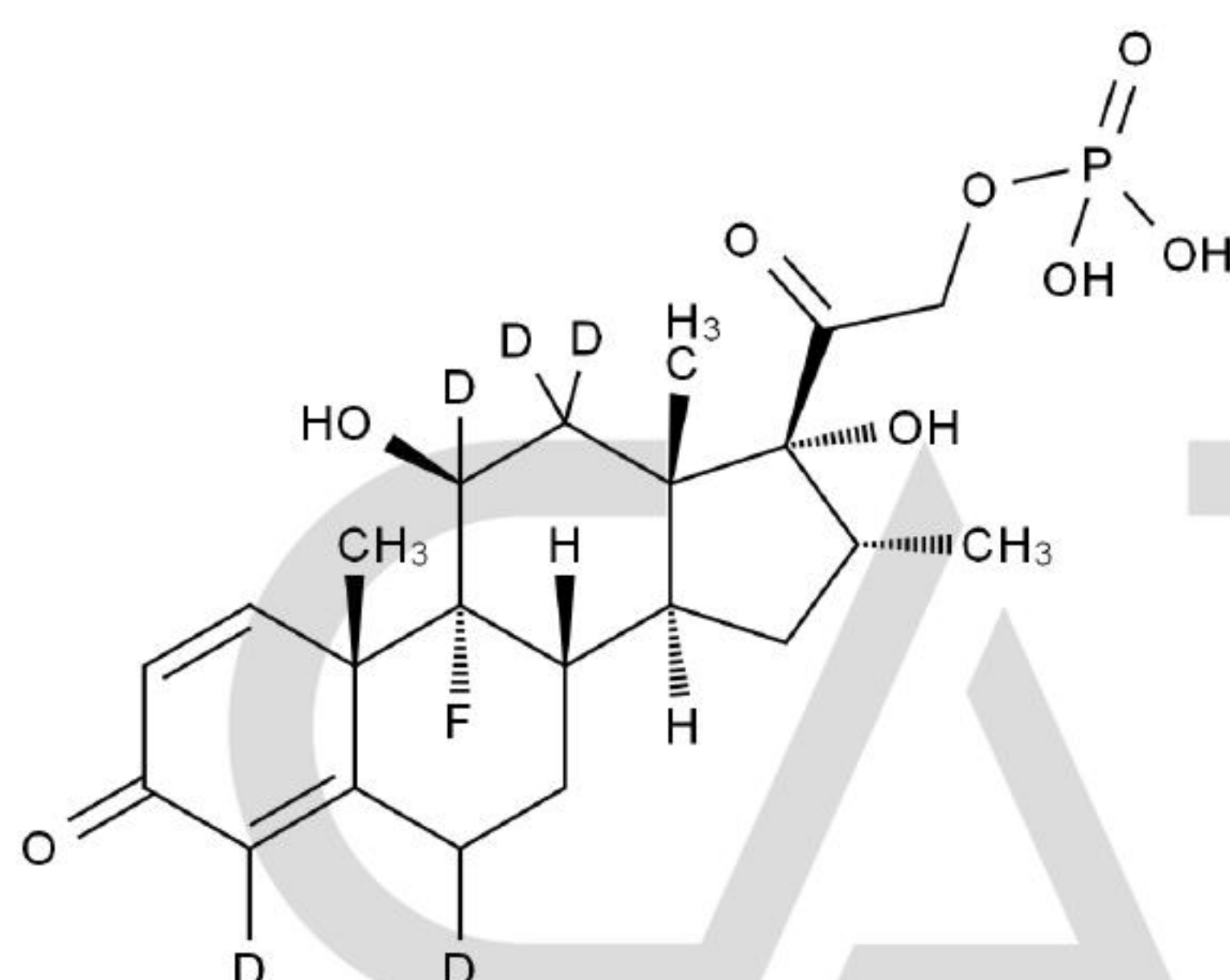
Reference Material & Standard

Product Name:	Dexamethasone 21-Phosphate D5	Catalogue Number:	CP132708
Synonyms:	N/A	Lot Number:	0322-RE-0001
CAS Number:	312-93-6 (unlabelled)	Expiry Date:	Mar 09, 2026
Molecular Formula:	C ₂₂ H ₂₅ D ₅ FO ₈ P	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	477.47		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.6%
Isotopic Purity		93.2%
Residual Solvents	NMR	Not detected in NMR
Specific Rotation		[α] _D 25.0(c=0.48,CH ₃ OH): +86.4°
Assay	qNMR	92.3%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Approved by General Manager:

David

Date: Apr 03, 2023

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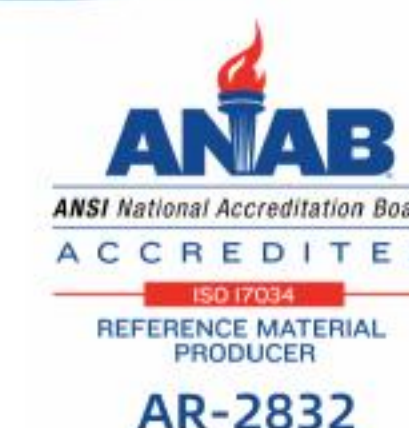
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