

Certificate of Analysis

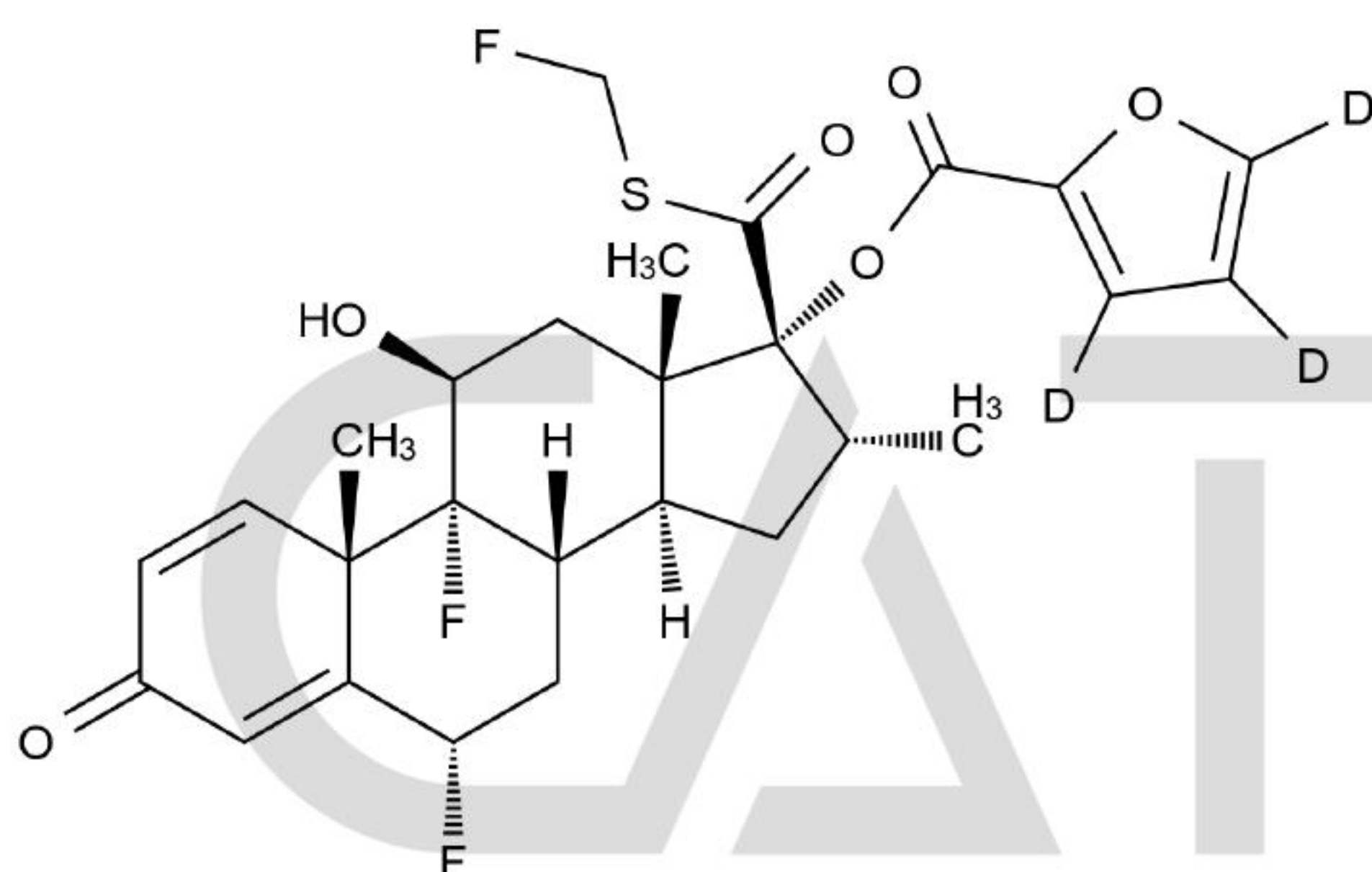
Reference Material & Standard

Product Name:	Fluticasone Furoate D3	Catalogue Number:	CP135883
Synonyms:	N/A	Lot Number:	0908-RE-0017
CAS Number:	397864-44-7(unlabelled)	Expiry Date:	Aug 23, 2025
Molecular Formula:	C ₂₇ H ₂₆ D ₃ F ₃ O ₆ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	541.59	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.4606%
Isotopic Purity		99.4
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	1.1% tetrahydrofuran
Specific Rotation		[α] _D ^{25.0} (c=0.33, CHCl ₃): -8.5°
Assay		98.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 11, 2023

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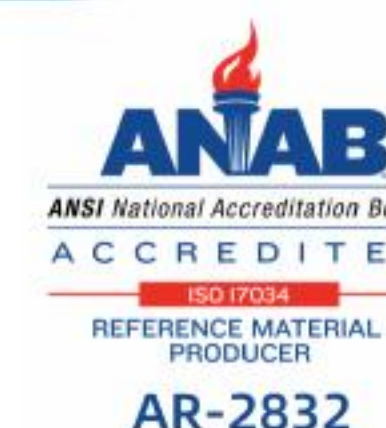
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