

Certificate of Analysis

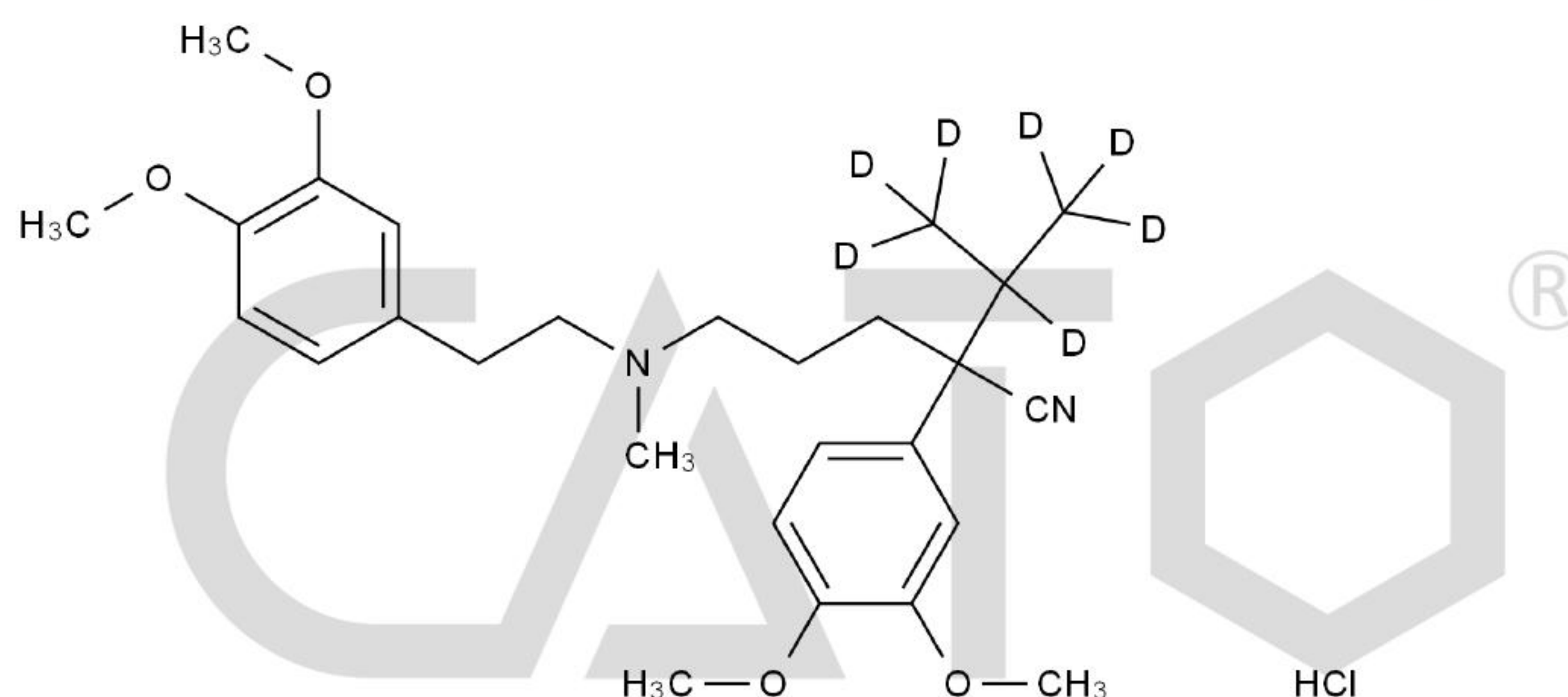
Reference Material & Standard

Product Name:	Verapamil-d7 Hydrochloride	Catalogue Number:	CCAD301360
Synonyms:	N/A	Lot Number:	1105-RG-0021
CAS Number:	1188265-55-5	Expiry Date:	Oct 21, 2028
Molecular Formula:	C ₂₇ H ₃₁ D ₇ N ₂ O ₄ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	461.64 36.46	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.9%
Isotopic Purity		99.9%
Uncertainty		±0.1%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Nov 05, 2025

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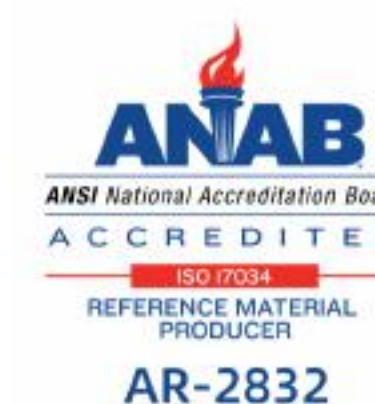
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