

Certificate of Analysis

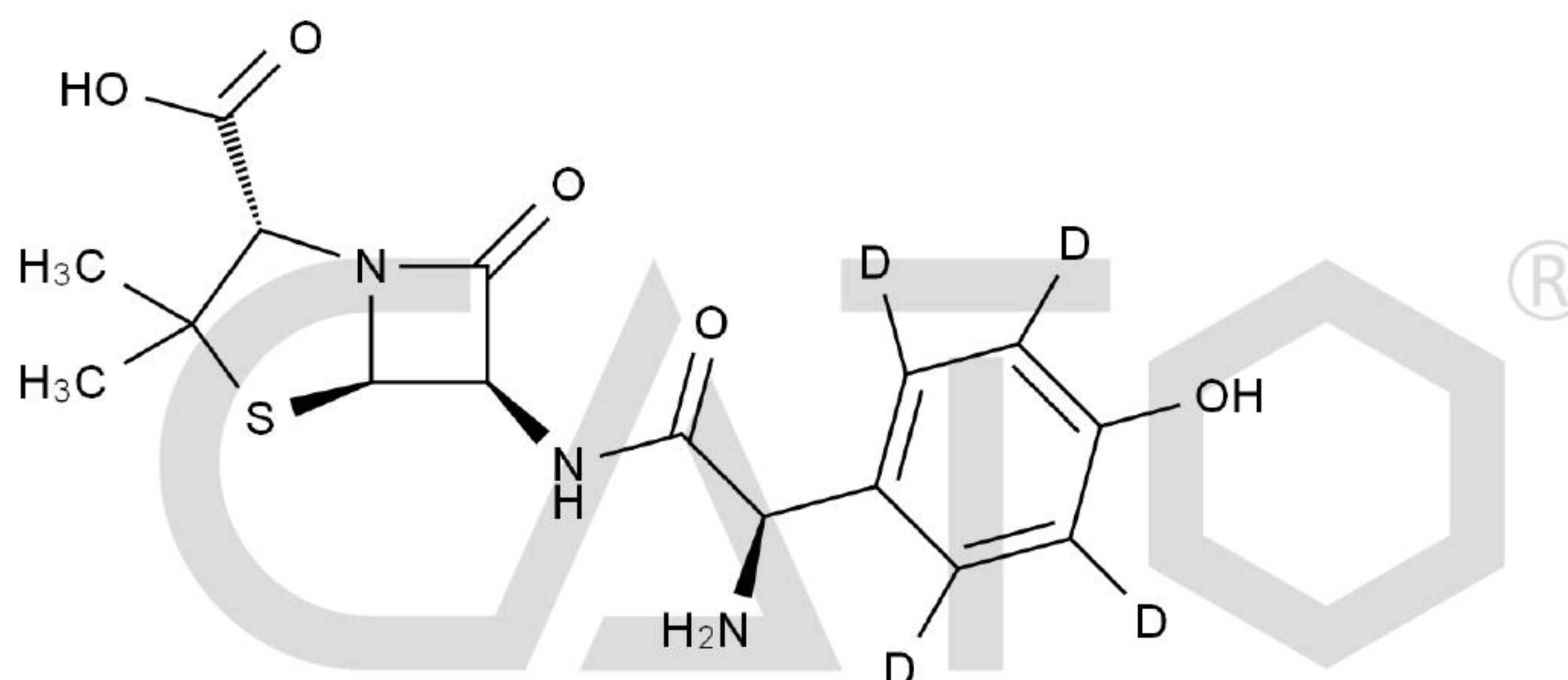
Reference Material & Standard

Product Name:	Amoxicillin-D4	Catalogue Number:	CCAD300810
Synonyms:	N/A	Lot Number:	0809-RH-0033
CAS Number:	2673270-36-3	Expiry Date:	Jul 20, 2029
Molecular Formula:	C ₁₆ H ₁₅ D ₄ N ₃ O ₅ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	369.43	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	96.6%
Isotopic Purity		98.77%(D4: 95.09%; D3: 4.91%)
Uncertainty		±0.7%

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: Aug 11, 2026

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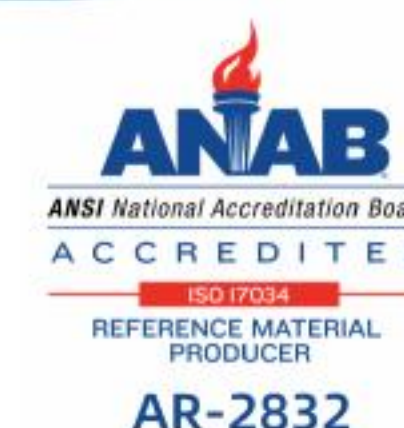
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