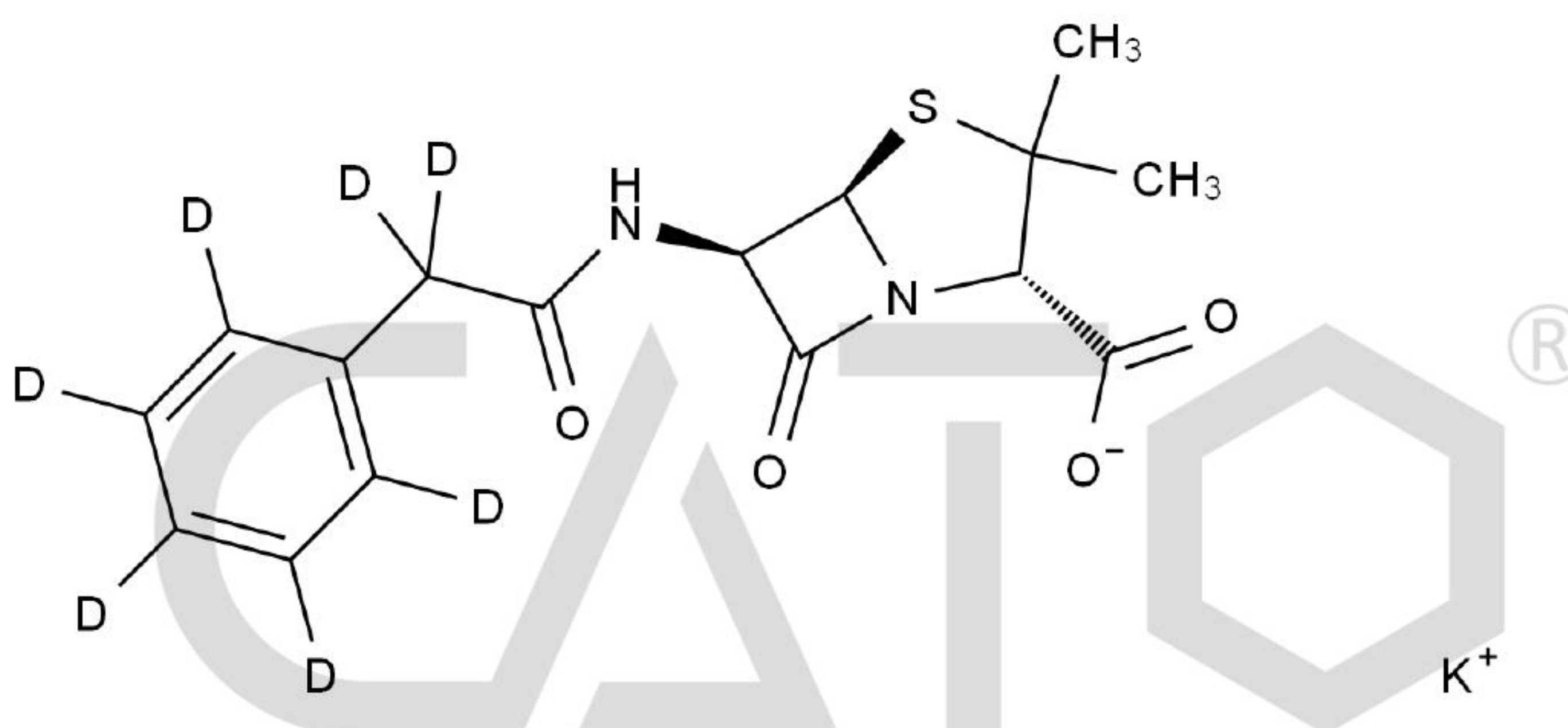


Certificate of Analysis

Reference Material & Standard

Product Name:	Penicillin G-d7 Potassium Salt	Catalogue Number:	CCAD300937
Synonyms:	N/A	Lot Number:	0202-RH-0051
CAS Number:	352323-25-2	Expiry Date:	Jan 11, 2033
Molecular Formula:	C ₁₆ H ₁₀ D ₇ N ₂ O ₄ S K	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	340.43 39.10	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	NMR	95.0%
Isotopic Purity		98.7%
Uncertainty		±1.0%

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: Feb 04, 2026

Date: Feb 04, 2026

Date: Feb 04, 2026



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