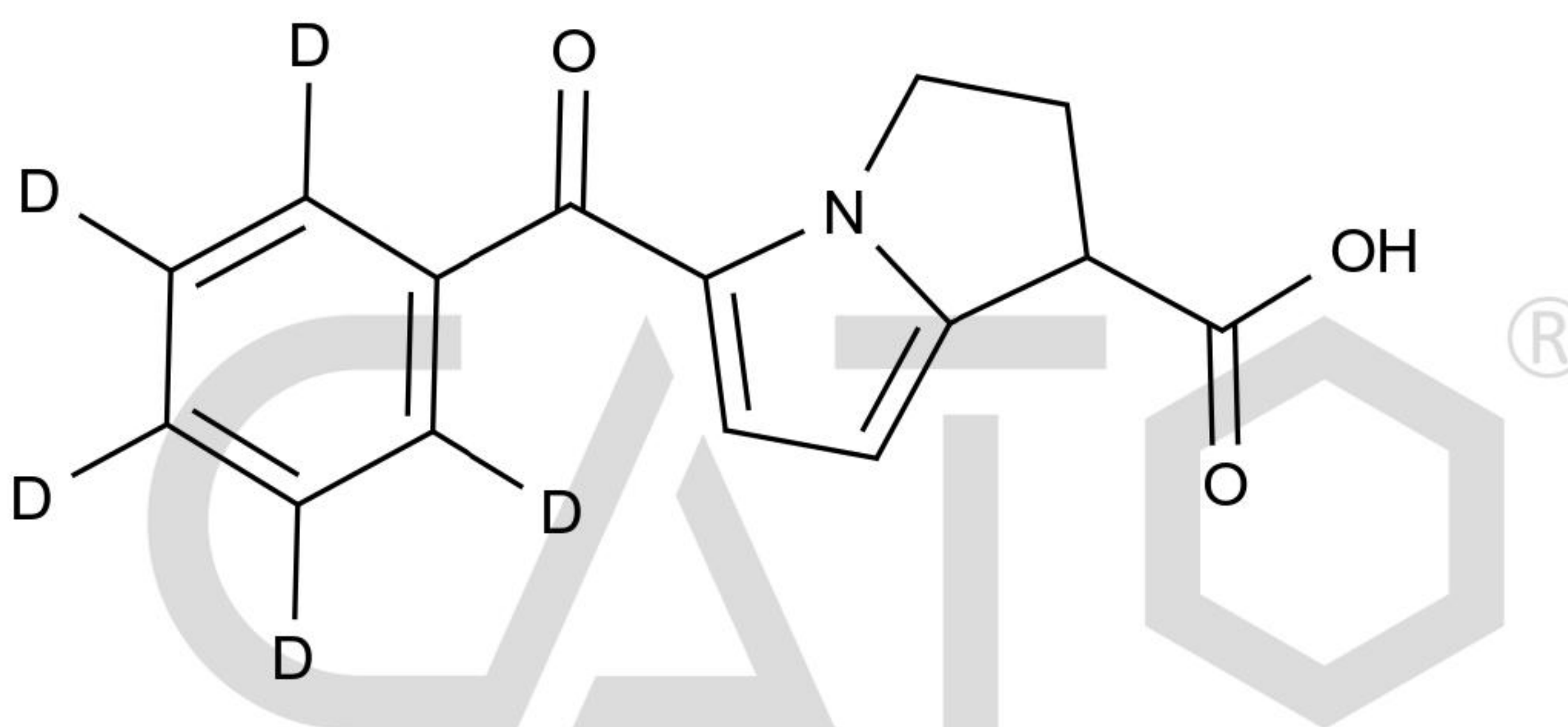


Certificate of Analysis

Reference Material & Standard

Product Name:	Ketorolac-d5	Catalogue Number:	CCHM706047
Synonyms:	N/A	Lot Number:	0626-RH-0012
CAS Number:	1215767-66-0	Expiry Date:	Jun 23, 2030
Molecular Formula:	C ₁₅ H ₈ D ₅ NO ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	260.30	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	98.1%
Isotopic Purity		100.00% (D5: 100.00%)
Uncertainty		±0.4%

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: Jun 30, 2026

Date: Jun 30, 2026

Date: Jun 30, 2026



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