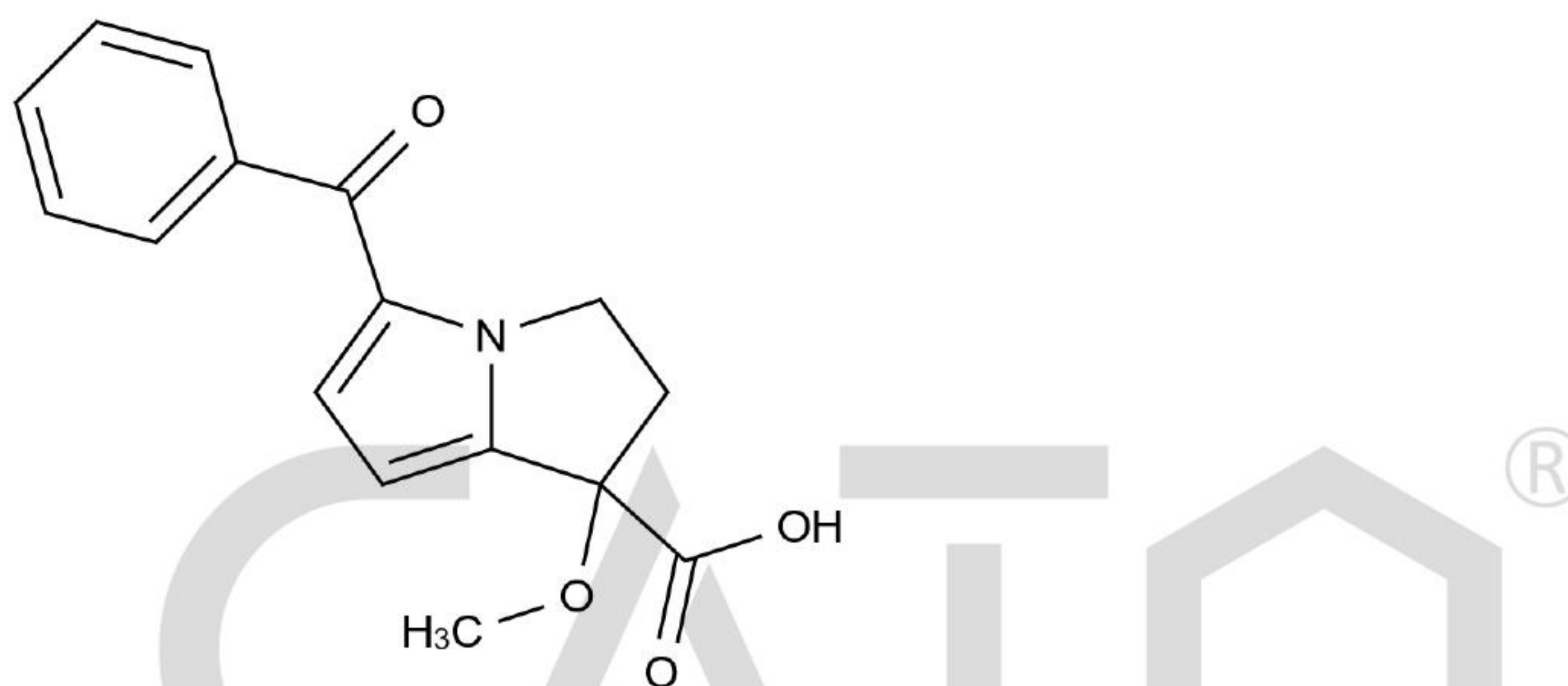


Certificate of Analysis

Reference Material & Standard

Product Name:	Ketorolac EP Impurity D	Catalogue Number:	C4X-166935
Synonyms:	N/A	Lot Number:	1213-RF-0032
CAS Number:	1391053-45-4	Expiry Date:	Dec 12, 2027
Molecular Formula:	C ₁₆ H ₁₅ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	285.29		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.1%
Assay	qNMR	93.1%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 17, 2024

Date: Dec 19, 2024

Date: Dec 19, 2024

