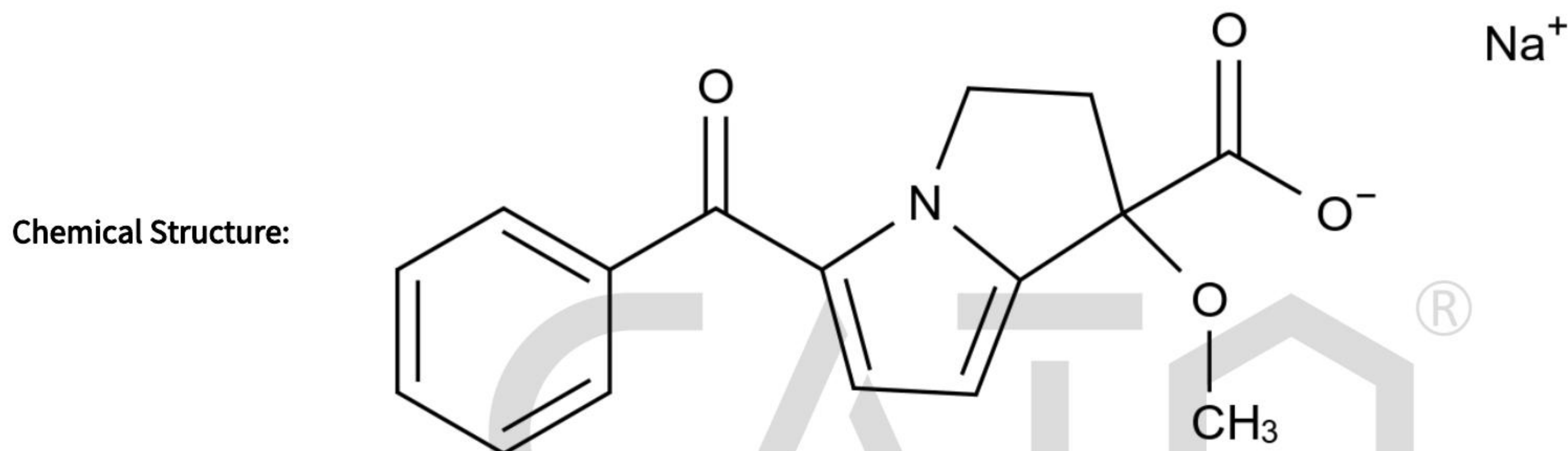


Certificate of Analysis

Reference Material & Standard

Product Name:	Ketorolac EP Impurity D sodium salt	Catalogue Number:	C4X-16694
Synonyms:	N/A	Lot Number:	0809-RF-0009
CAS Number:	1391053-45-4 (free base)	Expiry Date:	Aug 06, 2027
Molecular Formula:	C ₁₆ H ₁₄ NO ₄ Na	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	284.29 22.99		



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.6%
Assay	qNMR	86.3%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 09, 2024

Date: Aug 09, 2024

Date: Aug 09, 2024

