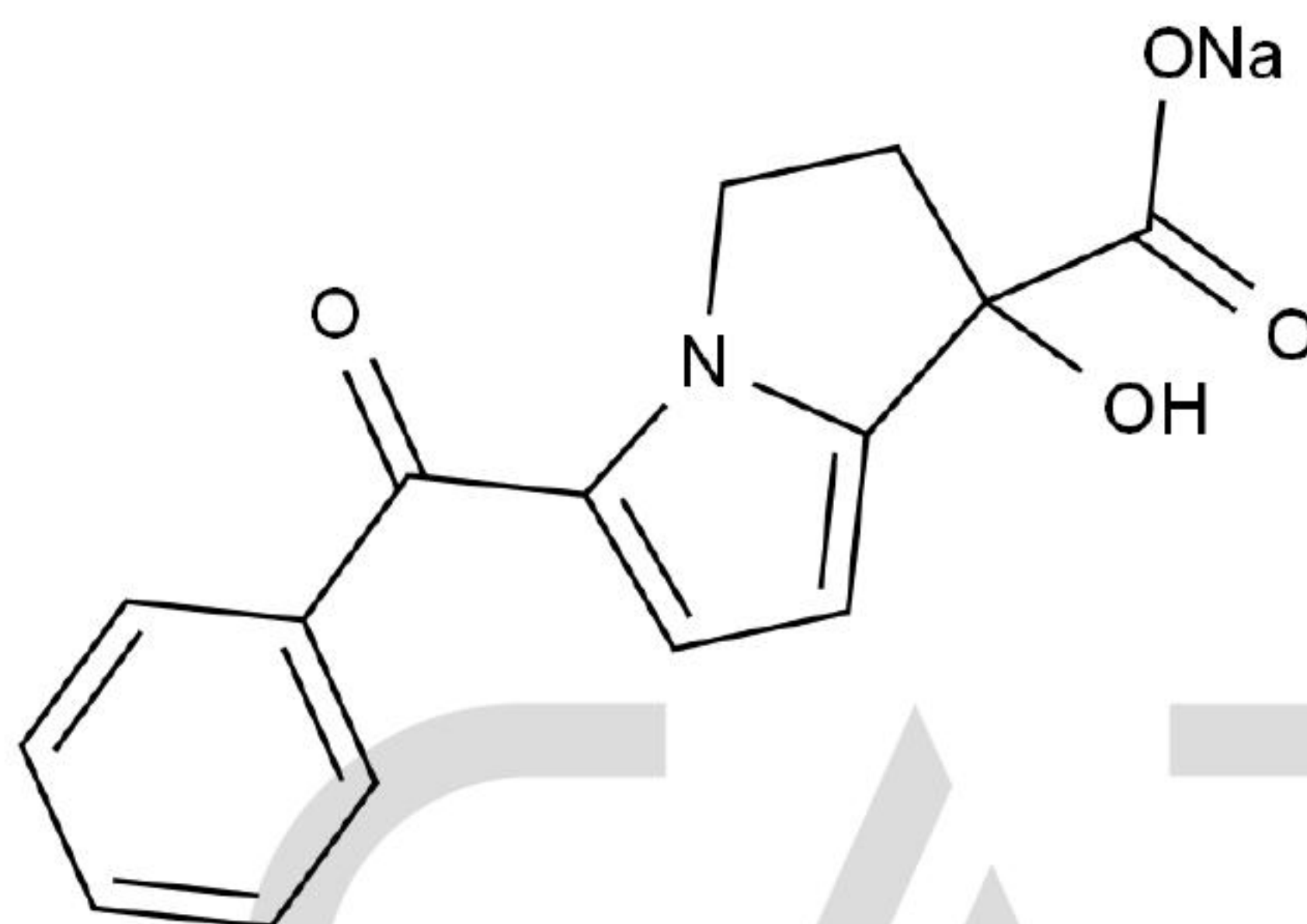


Certificate of Analysis

Reference Material

Product Name:	Ketorolac Impurity 21	Catalogue Number:	C4X-166921
Chemical Name:	N/A	Lot Number:	1118-RD-0007
CAS Number:	N/A	Expiry Date:	Nov 24, 2025
Molecular Formula:	C ₁₅ H ₁₂ NNaO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	293.25		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.585%
Loss On Drying	TGA	0.6643%
Assay		98.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Nov 25, 2022

Date: Nov 25, 2022

Date: Nov 25, 2022

