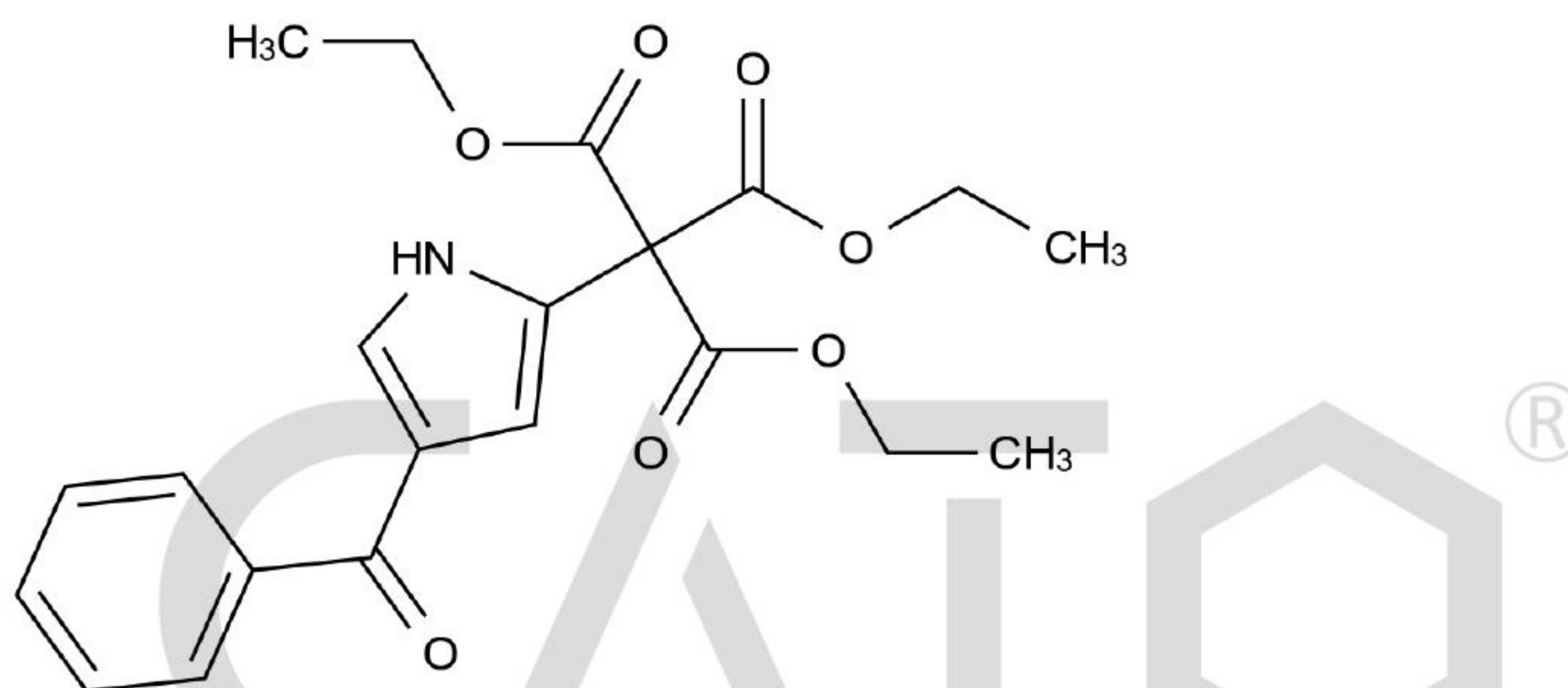


Certificate of Analysis

Reference Material & Standard

Product Name:	Ketorolac Impurity 44	Catalogue Number:	C4X-166944
Synonyms:	N/A	Lot Number:	0221-RF-0006
CAS Number:	N/A	Expiry Date:	Feb 19, 2027
Molecular Formula:	C ₂₁ H ₂₃ NO ₇	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	401.41		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.7412%
Loss On Drying	TGA	0.077%
Assay		98.7%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

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

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General Manager:

David

Date: Feb 21, 2024

Date: Feb 21, 2024

Date: Feb 21, 2024

