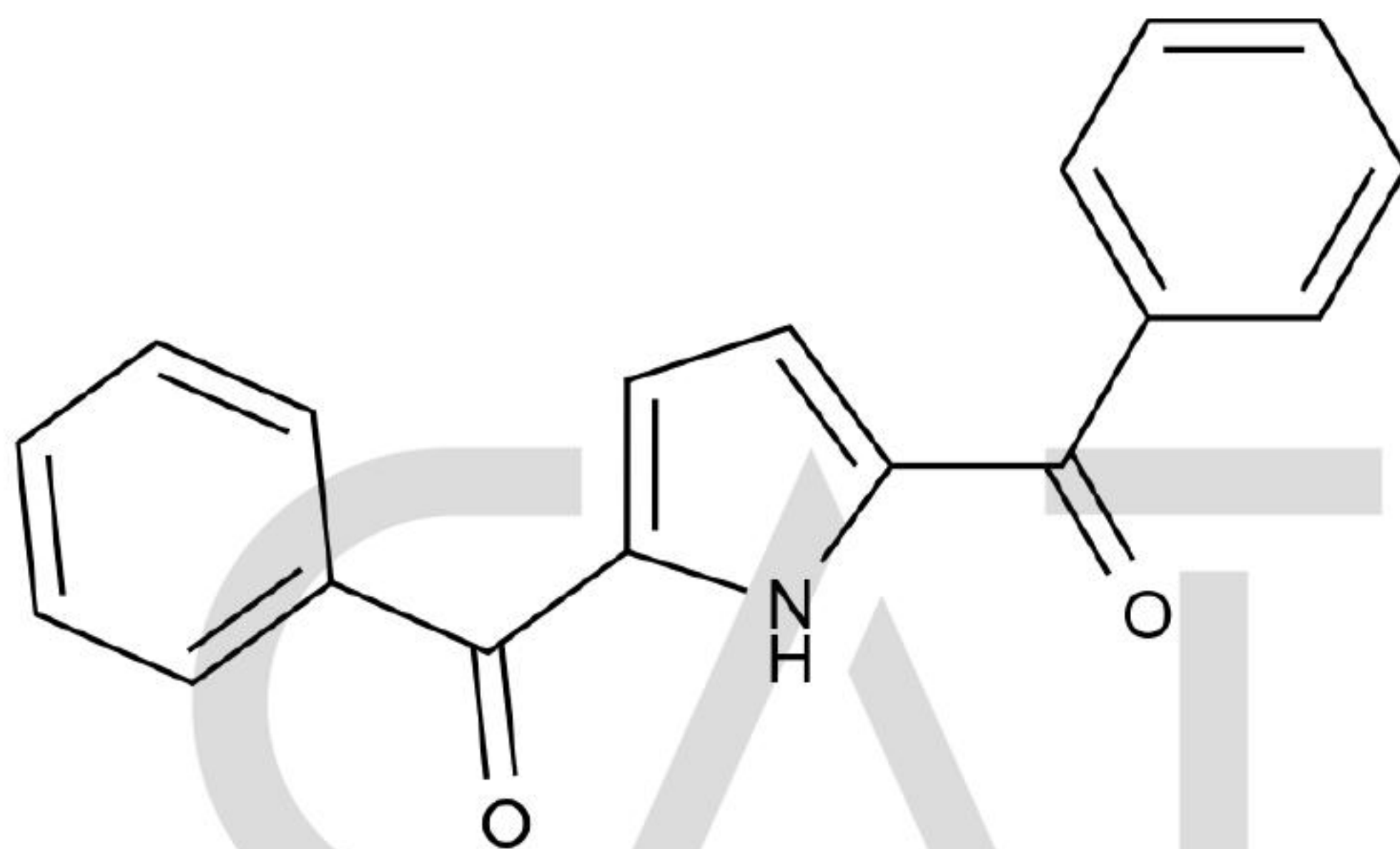


Certificate of Analysis

Reference Material & Standard

Product Name:	Ketorolac Impurity 51	Catalogue Number:	C4X-166951
Synonyms:	N/A	Lot Number:	0309-RH-0002
CAS Number:	111122-84-0	Expiry Date:	Mar 10, 2030
Molecular Formula:	C ₁₈ H ₁₃ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	275.30	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.814%
Loss On Drying	TGA	0.0684%
Assay		99.7%

Comment:

The calculation of the mass balance 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 11, 2026

Date: Mar 11, 2026

Date: Mar 11, 2026



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