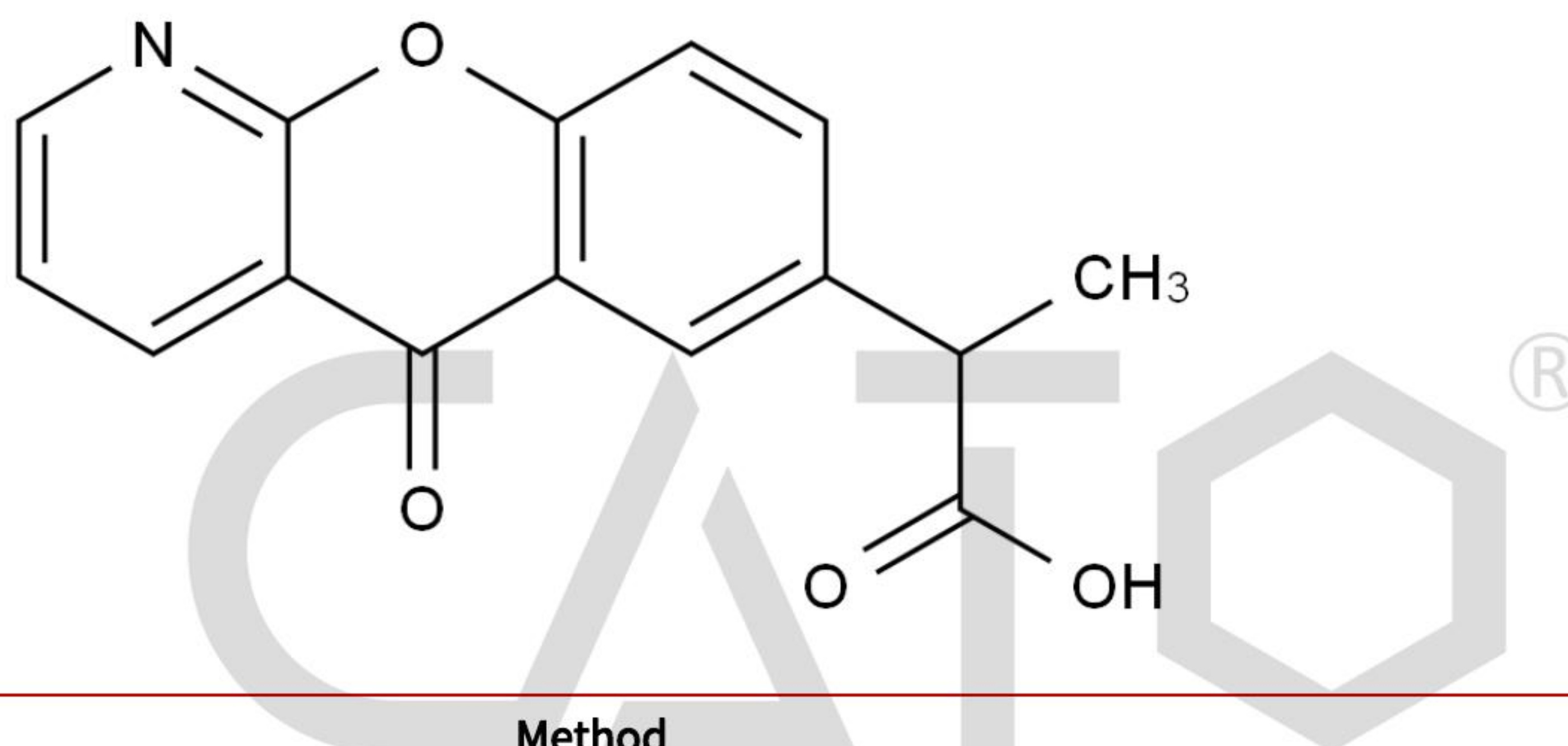


Certificate of Analysis

Reference Material & Standard

Product Name:	Pranoprofen Impurity 2	Catalogue Number:	C4X-18112
Synonyms:	2-(5-Oxo-5H-chromeno[2,3-b]pyridin-7-yl)propanoic acid	Lot Number:	0518-RH-0086
CAS Number:	52549-19-6	Expiry Date:	May 28, 2030
Molecular Formula:	C ₁₅ H ₁₁ NO ₄	Storage:	-20°C±5°C Sealed
Molecular Weight:	269.25	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	95.407%
Residue on Ignition	TGA	2.0851%
Loss on Drying	TGA	0.0220%
Assay	qNMR	93.0%
Assay	Mass Balance	93.4%

Comment:

- The retest date of this product is May 28, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: May 29, 2026

Date: May 29, 2026

Date: May 29, 2026



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