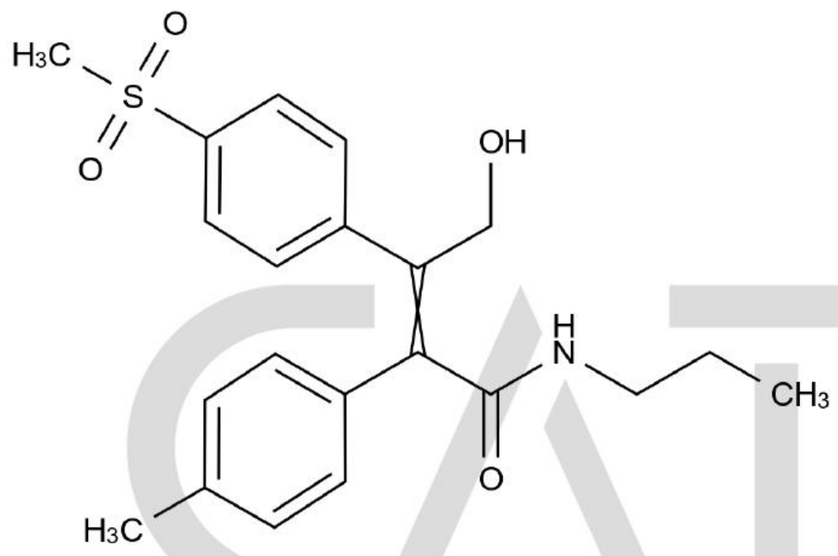
Certificate of Analysis

Reference Material & Standard

Product Name:	Imrecoxib Impurity 26	**Catalogue Number:**	C4X-237926
Synonyms:	N/A	**Lot Number:**	0317-RG-0054
CAS Number:	2305368-54-9	**Expiry Date:**	Mar 17, 2028
Molecular Formula:	$C_{21}H_{25}NO_4S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	387.49		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.268%
Loss on Drying	TGA	0.2933%
Assay		99.0%

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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: Alice Date: Mar 18, 2025

Reviewed by: Koi Date: Mar 18, 2025

Approved by General Manager: David Date: Mar 18, 2025

CATO Research Chemicals Inc.