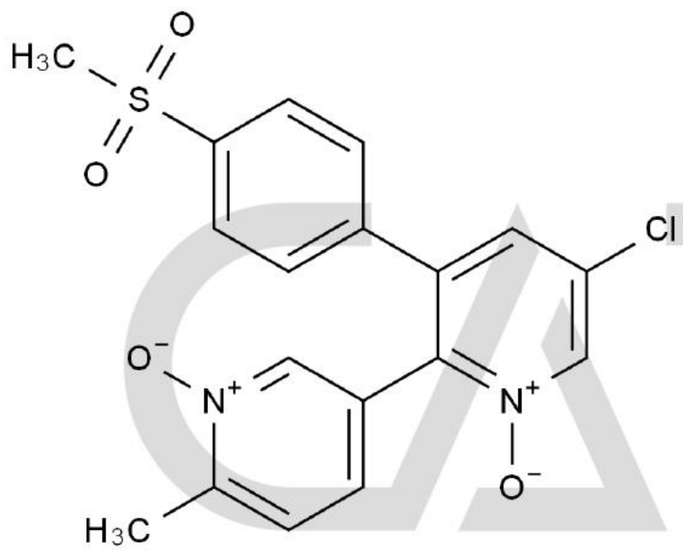
Certificate of Analysis

Reference Material & Standard

Product Name:	Etoricoxib Impurity 31	**Catalogue Number:**	C4X-108031
Synonyms:	N/A	**Lot Number:**	0226-RH-0102
CAS Number:	2724840-93-9	**Expiry Date:**	Feb 27, 2030
Molecular Formula:	$C_{18}H_{15}ClN_2O_4S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	390.84	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.078%
Loss on Drying	TGA	4.0665%
Assay	Mass Balance	95.0%

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: Koji — Date: Oct 20, 2026

Reviewed by: Lisa — Date: Oct 20, 2026

Approved by General Manager: David — Date: Oct 20, 2026

CATO Research Chemicals Inc.