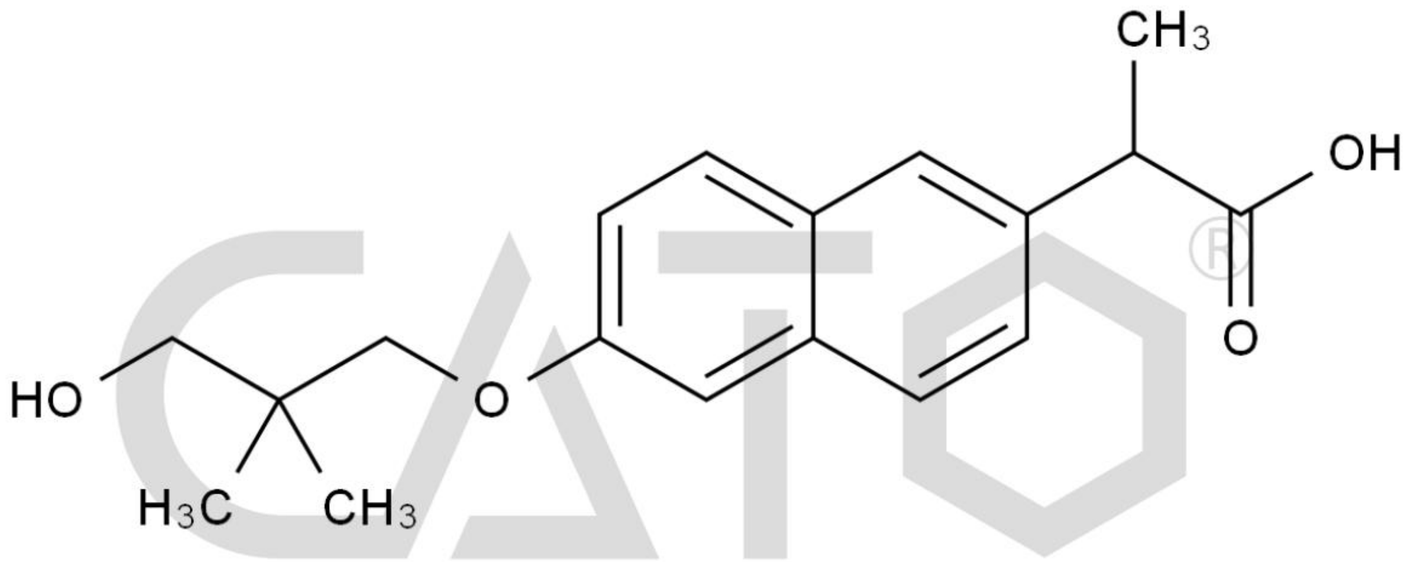
Certificate of Analysis

Reference Material & Standard

Product Name:	Naproxen Impurity 18	**Catalogue Number:**	C4X-170818
Synonyms:	N/A	**Lot Number:**	0401-RF-0067
CAS Number:	2601735-81-1	**Expiry Date:**	Oct 18, 2030
Molecular Formula:	$C_{18}H_{22}O_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	302.36	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.928%
Loss on Drying	TGA	0.2734%
Assay	Mass Balance	98.7%

CATO Research Chemicals Inc.

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 19, 2026

Reviewed by: Lisa Date: Oct 19, 2026

Approved by General Manager: David Date: Oct 19, 2026

CATO Research Chemicals Inc.