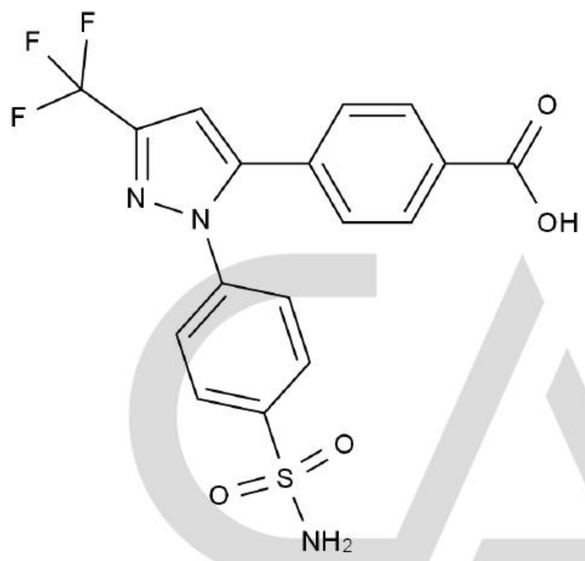
Certificate of Analysis

Reference Material & Standard

Product Name:	Celecoxib Impurity 3(Celecoxib Carboxylic Acid)	**Catalogue Number:**	C4X-10433
Synonyms:	N/A	**Lot Number:**	1103-RH-0004
CAS Number:	170571-01-4	**Expiry Date:**	Nov 05, 2030
Molecular Formula:	$C_{17}H_{12}F_3N_3O_4S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	411.36	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.846%
Loss on Drying	TGA	0.3601%
Assay	Mass Balance	97.5%

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: Alice — Date: Nov 06, 2026

Reviewed by: Koi — Date: Nov 06, 2026

Approved by General Manager: David — Date: Nov 06, 2026

CATO Research Chemicals Inc.