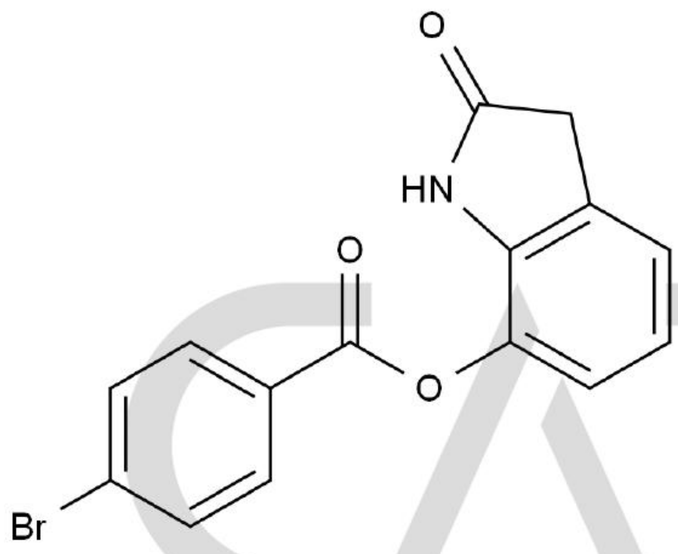
Certificate of Analysis

Reference Material & Standard

Product Name:	Bromfenac Impurity 44	**Catalogue Number:**	C4X-200244
Synonyms:	N/A	**Lot Number:**	1018-RH-0026
CAS Number:	91713-91-6	**Expiry Date:**	Oct 19, 2030
Molecular Formula:	$C_{15}H_{10}BrNO_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	332.15	**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	99.837%
Loss on Drying	TGA	0.1058%
Assay	Mass Balance	99.7%

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: Alice Date: Oct 20, 2026

Reviewed by: Koi Date: Oct 20, 2026

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

CATO Research Chemicals Inc.