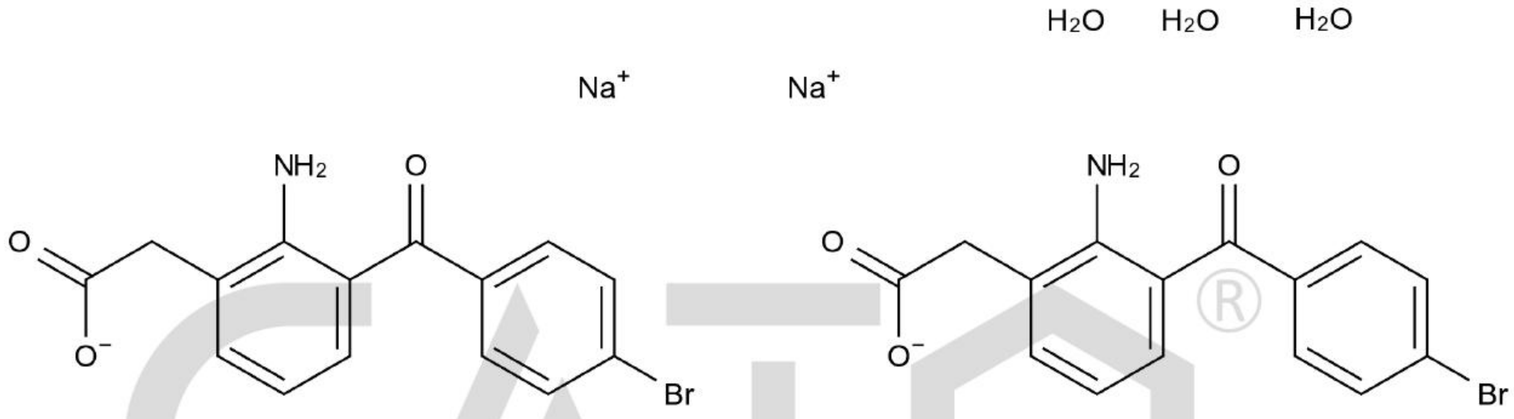
Certificate of Analysis

Reference Material & Standard

Product Name:	Bromfenac Sodium Sesquihydrate	**Catalogue Number:**	C4X-200229
Synonyms:	N/A	**Lot Number:**	1019-RH-0144
CAS Number:	120638-55-3	**Expiry Date:**	Oct 18, 2030
Molecular Formula:	$2*C_{15}H_{11}BrNO_3$ $2*Na$ $3*H_2O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*333.16 2*22.99 3*18.02	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.880%
Water Content	Karl Fischer	7.3737%
Water Content(Free Water)		0.3196%
Assay	Mass Balance	99.6%

Comment:

1. The content of crystal water is 7.0541%.
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content(Free Water)) * Purity HPLC (%) /100%*
Water Content(Free Water) is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi — Date: Oct 19, 2026

Reviewed by: Lisa — Date: Oct 20, 2026

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

CATO Research Chemicals Inc.