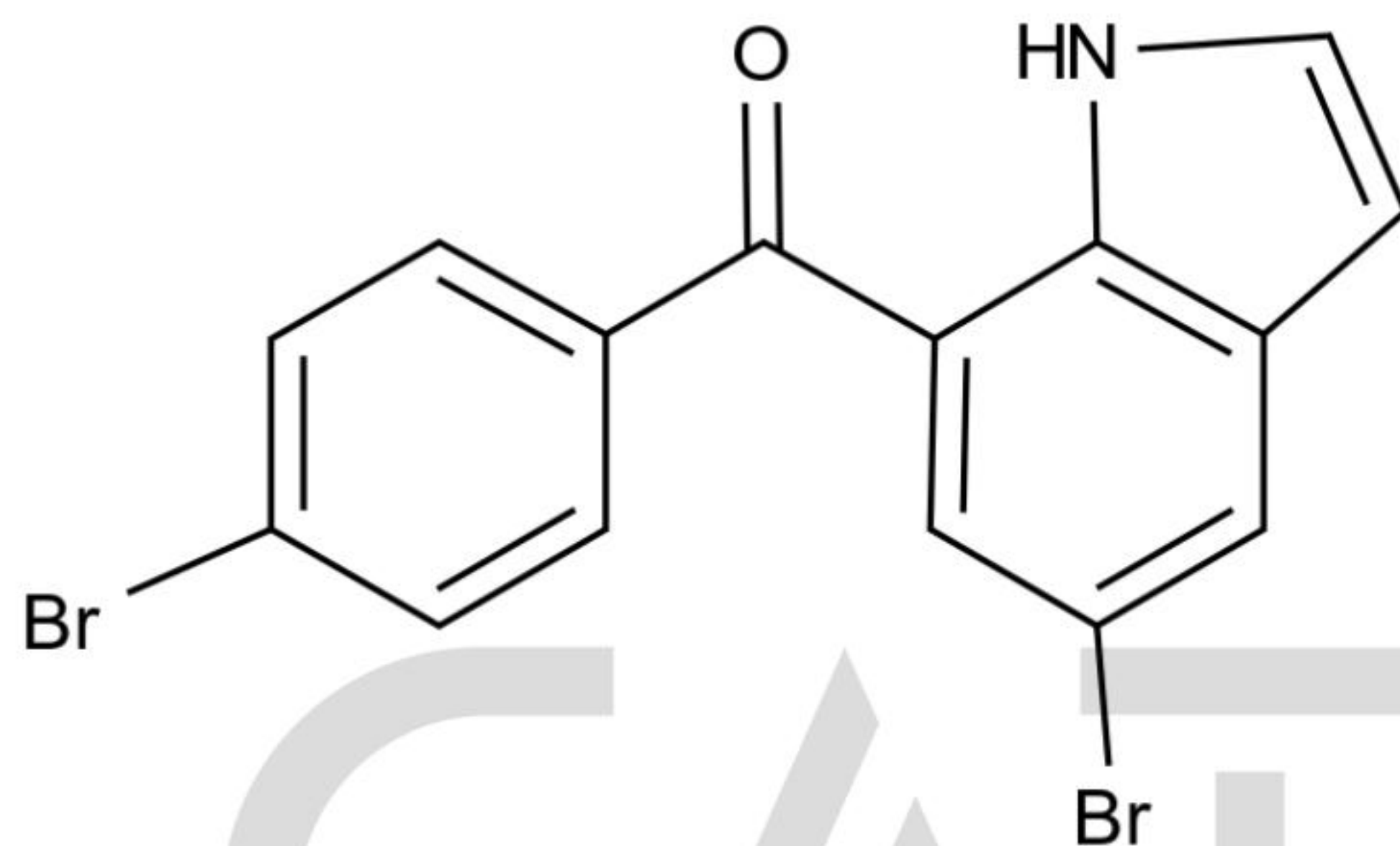


Certificate of Analysis

Reference Material

Product Name:	Bromfenac Impurity 49	Catalogue Number:	C4X-200249
Chemical Name:	N/A	Lot Number:	0420-RE-0002
CAS Number:	91714-66-8	Expiry Date:	Apr 03, 2026
Molecular Formula:	C ₁₅ H ₉ Br ₂ NO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	379.05		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.2979%
Water Content	Karl Fischer	0.1%
Residual Solvents	NMR	0.2% methanol and 0.2% ethyl acetate
Assay		97.8%

Comment:

- The compound contains 1.6% Bromfenac Impurity 8 according to its HPLC and LC-MS.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Apr 04, 2023

Date: Apr 21, 2023

Date: Apr 21, 2023

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