

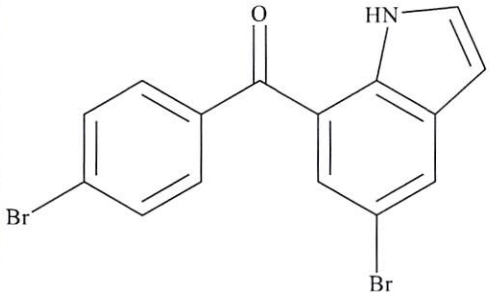
## Certificate of Analysis

Certificate No.: **20230420015**


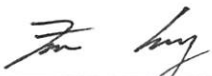
Date: April 20, 2023

Retest date: April 18, 2026

<b>Compound Name:</b> Bromfenac Impurity 9	
<b>Synonyms:</b>	(5-bromo-1 <i>H</i> -indol-7-yl)(4-bromophenyl)methanone
<b>TLC Catalogue Number:</b>	B-4717
<b>CAS Number:</b>	91714-66-8
<b>Molecular Weight:</b>	379.05
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>9</sub> Br <sub>2</sub> NO
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	5521-012A4
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Solution of Methanol and Acetonitrile, DMSO



Test Description	Specifications	Results
<b>Visual Description</b>	Yellow solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.6%</b>
<b>Impurity (HPLC)</b>	RT 17.17, 0.28%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Residual Solvents (NMR)</b>	0.1% methanol and 0.2% ethyl acetate	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.1%</b>
<b>Recommendation:</b>	<b>Release.</b> The compound contains 0.3% Bromfenac Impurity 8 (RT 17.17, TLC No. B-4716) according to its HPLC.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04 / 21 / 2023
Approved by:	Quality Assurance		04 / 21 / 2023

**Attachments:** HPLC, IR, MS and NMR spectra.