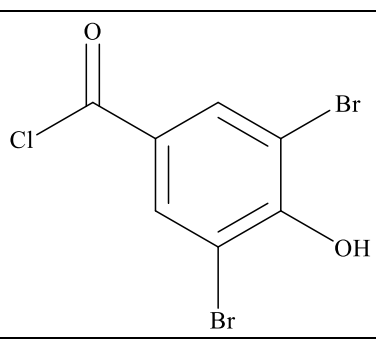


# Certificate of Analysis

Certificate No.: 20211019006

Date: October 19, 2021

Retest date: October 15, 2022

<b>Compound Name:</b>	<b>Benzbromarone Impurity 8</b>	
<b>Synonyms:</b>	3,5-dibromo-4-hydroxybenzoyl chloride	
<b>TLC Catalogue Number:</b>	B-079014	
<b>CAS Number:</b>	77823-55-3	
<b>Molecular Weight:</b>	314.36	
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>3</sub> Br <sub>2</sub> ClO <sub>2</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	3896-017A2	
<b>Storage Conditions:</b>	Protect from air, store at 2-8 °C	
<b>Solubility:</b>	DMSO, DMF	

Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Elemental Analysis</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>98.1%</b>
<b>Impurity (HPLC)</b>	RT 3.51, 1.22%; RT 3.94, 0.19%; RT 7.83, 0.30%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Residual Solvents (NMR)</b>	0.2% isopropyl ether	
<b>Assay (%)</b>	Not less than 90.0%	<b>97.7%</b>
<b>Recommendation:</b>	<b>Release.</b> The compound is derivatized to methyl ester with methanol in HPLC and MS analyses.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		
Approved by:	Quality Assurance		

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