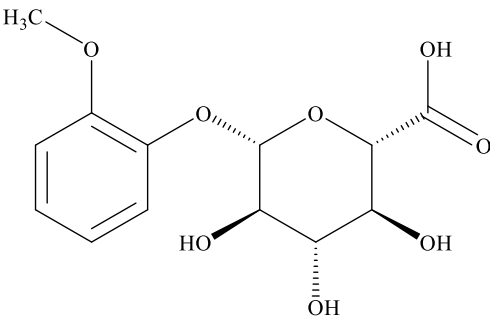


Certificate of Analysis

Certificate No.: 20200720010

Date: July 20, 2020

Retest date: July 9, 2023

Compound Name:	Guaicol-<i>beta</i>-D-Glucuronide	
Synonyms:	(2S,3S,4S,5R,6S)-3,4,5-trihydroxy-6-(2-methoxyphenoxy)tetrahydro-2H-pyran-2-carboxylic acid	
TLC Catalogue Number:	P-5747	
CAS Number:	1642562-06-8	
Molecular Weight:	300.26	
Molecular Formula:	C ₁₃ H ₁₆ O ₈	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3853-100A4	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, Water	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
¹³ C NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.0%
Impurity (HPLC)	RT 6.73, 1.00%	
Optical Rotation	[α] _D ^{20.0} (c=0.80, CH ₃ OH): -86.0°	[α] _D ^{25.0} (c=0.38, CH ₃ OH): -92.4°
Residual Solvents (NMR)	0.1% dichloromethane and 0.4% acetonitrile	
Assay (qNMR)	Not less than 85.0%	90.0%
Recommendation:	Released.	

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

Attachments: HPLC, IR, MS and NMR spectra.