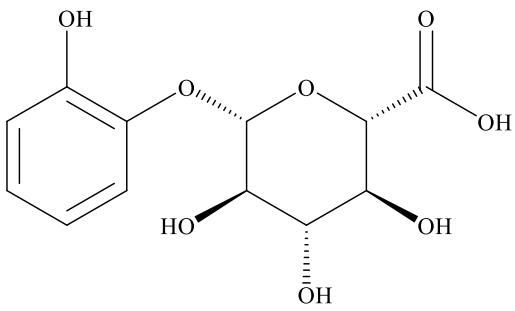


Certificate of Analysis

Certificate No.: 20200827006

Date: August 27, 2020

Retest date: August 18, 2023

Compound Name: Catechol- <i>beta</i> -D-Glucuronide		
Synonyms:	(2S,3S,4S,5R,6S)-3,4,5-trihydroxy-6-(2-hydroxyphenoxy)tetrahydro-2H-pyran-2-carboxylic acid	
TLC Catalogue Number:	P-5748	
CAS Number:	28623-57-6	
Molecular Weight:	286.24	
Molecular Formula:	C ₁₂ H ₁₄ O ₈	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3886-079A7	
Storage Conditions:	Hygroscopic, store at 2-8 °C	
Solubility:	Methanol, DMSO, Water	

Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.4%
Impurity (HPLC)	RT 5.25, 0.81%; RT 8.50, 0.71%	
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.64, CH ₃ OH): -78.2°
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 90.0%	95.2%
Recommendation:	Released.	

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

Attachments: HPLC, IR, MS and NMR spectra.