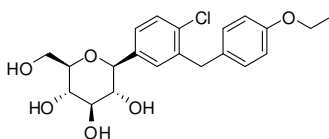




Certificate of Analysis

Axon Catalogue ID: 3121 **Batch Number:** 1
Product Name: Dapagliflozin
Alternative Name(s): BMS-512148
IUPAC Name: (2S,3R,4R,5S,6R)-2-(4-Chloro-3-(4-ethoxybenzyl)phenyl)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol

Structure:



Amount:

CAS number(s): 461432-26-8
Molecular Formula: C₂₁H₂₅ClO₆ **Molecular Weight:** 408.87
Batch Molecular Formula: C₂₁H₂₅ClO₆.0.25H₂O **Batch Molecular Weight:** 413.38
Appearance: White solid **Observed mp:** 79.5 - 81.2 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = +19.8° with c = 0.5 in MeOH
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.02, H 6.22, N 0.00; Found: C 61.02, H 6.10, N <0.10
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.0	96.8	
	EtOH			Not Tested

Remarks:

QC Date: 28-7-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only