



Product Information

SGLT inhibitor-1, Purity ≥98%

Cat. No.: X24-07-ZQ561

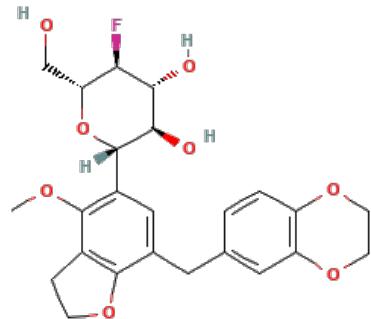
Size: 1 mg; 5 mg; 10 mg; 25 mg

CAS Number: 2247314-23-2

Compound CID: 137498470

Synonym: 2247314-23-2; SGLT inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	SGLT inhibitor-1 is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose.
Molecular Weight	462.46
Molecular Formula	C ₂₄ H ₂₇ FO ₈
IUPAC Name	(2S,3R,4R,5S,6R)-2-[7-(2,3-dihydro-1,4-benzodioxin-6-ylmethyl)-4-methoxy-2,3-dihydro-1-benzofuran-5-yl]-5-fluoro-6-(hydroxymethyl)oxane-3,4-diol
InChI	InChI=1S/C24H27FO8/c1-29-23-14-4-5-32-22(14)13(8-12-2-3-16-17(9-12)31-7-6-30-16)10-15(23)24-21(28)20(27)19(25)18(11-26)33-24/h2-3,9-10,18-21,24,26-28H,4-8,11H2,1H3/t18-,19-,20+,21-,24+/m1/s1
InChI Key	QUHJWCHJBZVQP-IDYLPADSA-N
Canonical SMILES	COC1=C(C=C(C2=C1CCO2)CC3=CC4=C(C=C3)OC(=O)C5C(C(C(C(O5)CO)F)O)O
Isomeric SMILES	COC1=C(C=C(C2=C1CCO2)CC3=CC4=C(C=C3)OC(=O)C5C(C(C(C(O5)CO)F)O)O
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	SGLT inhibitor-1 is employed to investigate and block the sodium-glucose transporters that are



responsible for glucose reabsorption in the kidneys, useful for diabetes research.

Storage

Store at -20°C, and keep desiccated.
