



## Product Information

### SGLT inhibitor-1, Purity $\geq 98\%$

**Cat. No.:** X24-07-ZQ561

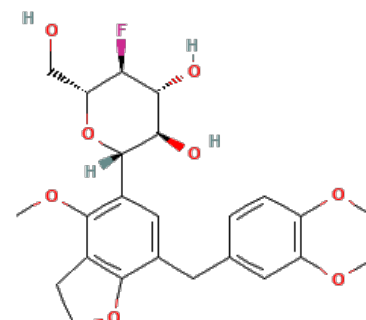
**Size:** 1 mg; 5 mg; 10 mg; 25 mg

**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

<b>Description</b>	SGLT inhibitor-1 is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose.
<b>Molecular Weight</b>	462.46
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>27</sub> FO <sub>8</sub>
<b>IUPAC Name</b>	(2 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>S</i> ,6 <i>R</i> ) )-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
<b>InChI</b>	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
<b>InChI Key</b>	QUHJWCHBJBZVQP-IDYLPADSA-N
<b>Canonical SMILES</b>	COC1=C(C=C(C2=C1CCO2)CC3=CC4=C(C=C3)OCCO4)C5C(C(C(C(O5)CO)F)O)O
<b>Isomeric SMILES</b>	COC1=C(C=C(C2=C1CCO2)CC3=CC4=C(C=C3)OCCO4)[C@H]5[C@@H]([C@H]([C@@H]([C@H](O5)CO)F)O)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	SGLT inhibitor-1 is employed to investigate and block the sodium-glucose transporters that are



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

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**Storage**

Store at -20°C, and keep desiccated.

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