



## Product Information

### SGLT inhibitor LX2761, Purity ≥98%

**Cat. No.:** X24-07-ZQ605

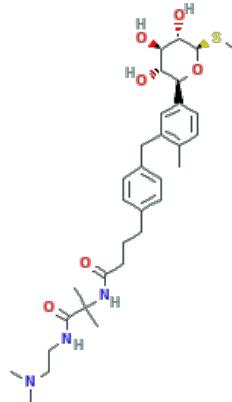
**Size:** 1 mg; 5 mg; 10 mg; 25 mg

**CAS Number:** 1610954-97-6

**Compound CID:** 76070894

**Synonym:** 1610954-97-6; SGLT inhibitor; LX-2761; LX2761

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



### Product Information

<b>Description</b>	LX2761 is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose.
<b>Molecular Weight</b>	601.8
<b>Molecular Formula</b>	C <sub>32</sub> H <sub>47</sub> N <sub>3</sub> O <sub>6</sub> S
<b>IUPAC Name</b>	<i>N</i> -[2-(dimethylamino)ethyl]-2-methyl-2-[4-[4-[2-methyl-5-[(2S,3R,4R,5S,6R)-3,4,5-trihydroxy-6-methylsulfanyloxan-2-yl]phenyl]methyl]phenyl]butanoylamino]propanamide
<b>InChI</b>	InChI=1S/C32H47N3O6S/c1-20-10-15-23(29-27(38)26(37)28(39)30(41-29)42-6)19-24(20)18-22-13-11-21(12-14-22)8-7-9-25(36)34-32(2,3)31(40)33-16-17-35(4)5/h10-15,19,26-30,37-39H,7-9,16-18H2,1-6H3,(H,33,40)(H,34,36)/t26-,27-,28+,29+,30-/m1/s1
<b>InChI Key</b>	BNPZTRDIESRGTC-IXYVTWBDSA-N
<b>Canonical SMILES</b>	CC1=C(C=C(C=C1)C2C(C(C(C(O2)SC)O)O)O)CC3=CC=C(C=C3)CCCC(=O)NC(C)(C)C(=O)NCCN(C)C
<b>Isomeric SMILES</b>	CC1=C(C=C(C=C1)[C@H]2[C@@H]([C@H]([C@@H]([C@H](O2)SC)O)O)O)CC3=CC=C(C=C3)CCCC(=O)NC(C)(C)C(=O)NCCN(C)C
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥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.



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<b>Quality Level</b>	Research grade
<b>Applications</b>	LX2761, an SGLT inhibitor, is studied for its ability to modulate glucose reabsorption in the kidneys and its potential use in treating diabetes.
<b>Storage</b>	Store at -20°C, and keep desiccated.

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