



Product Information

SGLT inhibitor Tofogliflozin hydrate, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ531

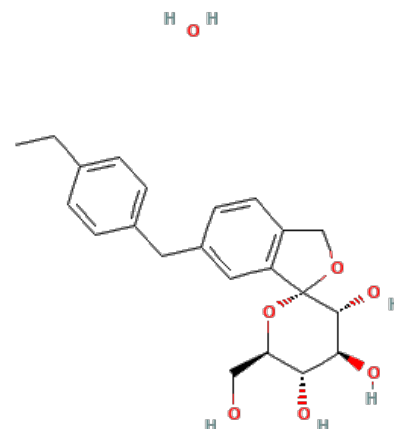
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1201913-82-7

Compound CID: 46908928

Synonym: 1201913-82-7; SGLT inhibitor; CSG-452 hydrate; CSG452; CSG 452

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



Product Information

Description	Tofogliflozin hydrate, soluble in DMSO, water and ethanol, is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose.
Molecular Weight	404.45
Molecular Formula	C ₂₂ H ₂₈ O ₇
IUPAC Name	(3 <i>S</i> ,3' <i>R</i> ,4' <i>S</i> ,5' <i>S</i> ,6' <i>R</i>))-5-[(4-ethylphenyl)methyl]-6'-(hydroxymethyl)spiro[1 <i>H</i> -2-benzofuran-3,2'-oxane]-3',4',5'-triol;hydrate
InChI	InChI=1S/C22H26O6.H2O/c1-2-13-3-5-14(6-4-13)9-15-7-8-16-12-27-22(17(16)10-15)21(26)20(25)19(24)18(11-23)28-22;/h3-8,10,18-21,23-26H,2,9,11-12H2,1H3;1H2/t18-,19-,20+,21-,22+;/m1./s1
InChI Key	ZXOCGDDVNPDRIW-NHFZGCSJSA-N
Canonical SMILES	CCC1=CC=C(C=C1)CC2=CC3=C(COC34C(C(C(C(O4)CO)O)O)O)C=C2.O
Isomeric SMILES	CCC1=CC=C(C=C1)CC2=CC3=C(CO[C@@]34[C@@H]([C@H]([C@@H]([C@H](O4)CO)O)O)O)C=C2.O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 82 mg/mL (202.74 mM); Water: 4 mg/mL (9.88 mM); Ethanol: 82 mg/mL (202.74 mM)
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	Tofogliflozin hydrate is an SGLT inhibitor used to assess its efficacy in lowering blood glucose levels for diabetes research.



Storage

Store at -20°C, and keep desiccated.
