



Product Information

SGLT inhibitor Canagliflozin hemihydrate, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ506

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

MDL: MFCD28975933

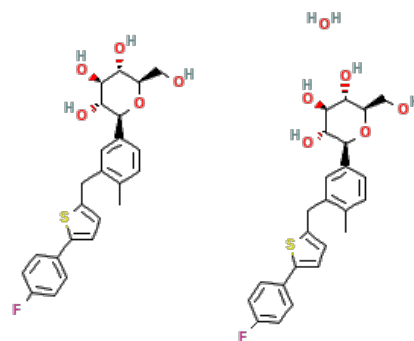
CAS Number: 928672-86-0

Compound CID: 24997615

Synonym: 928672-86-0; SGLT inhibitor; JNJ 28431754; JNJ-28431754;

JNJ28431754; TA 7284; TA-7284; TA7284; JNJ-24831754-ZAE; JNJ-28431754-AAA

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



Product Information

Description	Canagliflozin hemihydrate, soluble in DMSO and ethanol and insoluble in water, is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose.
Molecular Weight	907.05
Molecular Formula	C ₄₈ H ₅₂ F ₂ O ₁₁ S ₂
IUPAC Name	(2S,3R,4R,5S,6R)-2-[3-[[5-(4-fluorophenyl)thiophen-2-yl]methyl]-4-methylphenyl]-6-(hydroxymethyl)oxane-3,4,5-triol;hydrate
InChI	InChI=1S/2C24H25FO5S.H2O/c2*1-13-2-3-15(24-23(29)22(28)21(27)19(12-26)30-24)10-16(13)11-18-8-9-20(31-18)14-4-6-17(25)7-5-14;/h2*2-10,19,21-24,26-29H,11-12H2,1H3;1H2/t2*19-,21-,22+,23-,24+;/m11./s1
InChI Key	VHOFTEAWFCUTOS-TUGBYPPCSA-N
Canonical SMILES	CC1=C(C=C(C=C1)C2C(C(C(C(O2)CO)O)O)O)CC3=CC=C(S3)C4=CC=C(C=C4)F.CC1=C(C=C(C=C1)C2C(C(C(C(O2)CO)O)O)O)CC3=CC=C(S3)C4=CC=C(C=C4)F.O
Isomeric SMILES	CC1=C(C=C(C=C1)[C@H]2[C@@H]([C@H]([C@@H]([C@H](O2)CO)O)O)O)CC3=CC=C(S3)C4=CC=C(C=C4)F.CC1=C(C=C(C=C1)[C@H]2[C@@H]([C@H]([C@@H]([C@H](O2)CO)O)O)O)CC3=CC=C(S3)C4=CC=C(C=C4)F.O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 94 mg/mL (103.63 mM); Water: Insoluble; Ethanol: 94 mg/mL (103.63 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

Canagliflozin hemihydrate is an SGLT inhibitor used to investigate its role in glucose regulation and type 2 diabetes.

Storage

Store at -20°C, and keep desiccated.
