



Product Information

SGLT inhibitor Ipragliflozin, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ399

Size: 5 mg; 10 mg; 25 mg; 50 mg

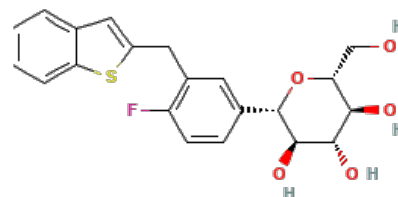
MDL: MFCD19443744

CAS Number: 761423-87-4

Compound CID: 10453870

Synonym: 761423-87-4; SGLT inhibitor; ASP 1941; ASP1941

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



Product Information

Description	Ipragliflozin, soluble in DMSO and ethanol and insoluble in water, is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose.
Molecular Weight	404.4559
Molecular Formula	C ₂₁ H ₂₁ FO ₅ S
IUPAC Name	(2 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>S</i> ,6 <i>R</i>))-2-[3-(1-benzothiophen-2-ylmethyl)-4-fluorophenyl]-6-(hydroxymethyl)oxane-3,4,5-triol
InChI	InChI=1S/C21H21FO5S/c22-15-6-5-12(21-20(26)19(25)18(24)16(10-23)27-21)7-13(15)9-14-8-11-3-1-2-4-17(11)28-14/h1-8,16,18-21,23-26H,9-10H2/t16-,18-,19+,20-,21+/m1/s1
InChI Key	AHFWIQIYAXSLBA-RQXATKFSSA-N
Canonical SMILES	C1=CC=C2C(=C1)C=C(S2)CC3=C(C=CC(=C3)C4C(C(C(C(O4)CO)O)O)O)F
Isomeric SMILES	C1=CC=C2C(=C1)C=C(S2)CC3=C(C=CC(=C3)[C@H]4[C@@H]([C@H]([C@@H]([C@H](O4)CO)O)O)O)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 78 mg/mL (192.85 mM); Water: Insoluble; Ethanol: 78 mg/mL (192.85 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	Ipragliflozin is used to inhibit SGLT2, thereby reducing glucose reabsorption in the kidneys, valuable for research in diabetes management.



Storage

Store at -20°C, and keep desiccated.
