



Product Information

SGLT inhibitor Ipragliflozin L-proline, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ651

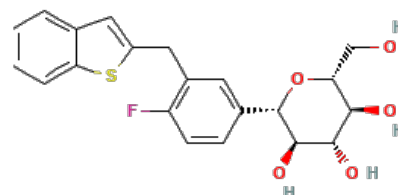
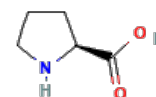
Size: 1 mg; 5 mg; 10 mg; 25 mg

CAS Number: 951382-34-6

Compound CID: 57339444

Synonym: 951382-34-6; SGLT inhibitor

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



Product Information

Description	Ipragliflozin L-proline, soluble in DMSO and ethanol and insoluble in water, is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose. It targets SGLT2.
Molecular Weight	519.58
Molecular Formula	C ₂₆ H ₃₀ FNO ₇ S
Targets	SGLT2: 2.8 nM
IUPAC Name	(2S,3R,4R,5S,6R)-2-[3-(1-benzothiophen-2-ylmethyl)-4-fluorophenyl]-6-(hydroxymethyl)oxane-3,4,5-triol;(2S)-pyrrolidine-2-carboxylic acid
InChI	InChI=1S/C21H21FO5S.C5H9NO2/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;7-5(8)4-2-1-3-6-4/h1-8,16,18-21,23-26H,9-10H2;4,6H,1-3H2,(H,7,8)/t16-,18-,19+,20-,21+;4-/m10/s1
InChI Key	TUVGWWULBZIUBS-FVYIYGEMSA-N
Canonical SMILES	C1CC(NC1)C(=O)O.C1=CC=C2C(=C1)C=C(S2)CC3=C(C=CC(=C3)C4C(C(C(C(O4)CO)O)O)O)F
Isomeric SMILES	C1C[C@H](NC1)C(=O)O.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: 30 mg/mL (57.74 mM); Water: Insoluble; Ethanol: 5 mg/mL (9.62 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 L-proline inhibits sodium-glucose transport proteins, which are crucial in glucose reabsorption in diabetes management.

Storage

Store at -20°C, and keep desiccated.