



Product Information

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

Cat. No.: X24-07-ZQ571

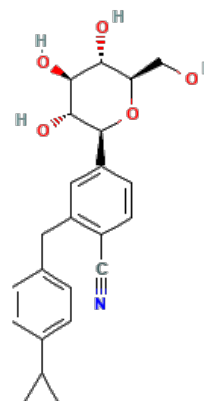
Size: 1 mg; 5 mg; 10 mg; 25 mg

CAS Number: 946525-65-1

Compound CID: 24862817

Synonym: 946525-65-1; SGLT inhibitor

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



Product Information

Description	Velagliflozin is a sodium-glucose cotransporter inhibitor, preventing the kidneys from reabsorbing glucose. It targets SGLT2.
Molecular Weight	395.45
Molecular Formula	C ₂₃ H ₂₅ NO ₅
Targets	SGLT2
IUPAC Name	2-[(4-Cyclopropylphenyl)methyl]-4-[(2S,3R,4R,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]benzonitrile
InChI	InChI=1S/C23H25NO5/c24-11-17-8-7-16(23-22(28)21(27)20(26)19(12-25)29-23)10-18(17)9-13-1-3-14(4-2-13)15-5-6-15/h1-4,7-8,10,15,19-23,25-28H,5-6,9,12H2/t19-,20-,21+,22-,23+/m1/s1
InChI Key	SENUNDCNOYAWGN-ZQGJOIPISA-N
Canonical SMILES	C1CC1C2=CC=C(C=C2)CC3=C(C=CC(=C3)C4C(C(C(C(O4)CO)O)O)O)C#N
Isomeric SMILES	C1CC1C2=CC=C(C=C2)CC3=C(C=CC(=C3)[C@H]4[C@@H]([C@H]([C@@H]([C@H](O4)CO)O)O)O)C#N
Form	Lyophilized powder
Purity	$\geq 98\%$
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	Velagliflozin is used to study the inhibition of sodium-glucose transporters, impacting glucose management in diabetes.



Storage

Store at -20°C, and keep desiccated.
