

Product Name	: Bexagliflozin
Synonyms	: THR-1442; EGT-1442
Cat No.	: M10426
CAS Number	: 1118567-05-7
Molecular Formula	: C ₂₄ H ₂₉ ClO ₇
Formula Weight	: 464.94
Chemical Name	: D-Glucitol, 1,5-anhydro-1-C-[4-chloro-3-[[4-[2-(cyclopropyloxy)ethoxy]phenyl]methyl]phenyl]-, (1S)-
Description	A potent and selective SGLT2 inhibitor with IC₅₀ of 2 nM; shows little activity for SGLT1 (IC₅₀=5.6 uM); produces a saturable urinary glucose excretion in normal rats and dogs with ED₅₀ of 0.38 and 0.09mg/kg, respectively; reduced HbA(1c) and blood glucose concentration without affecting body mass or insulin level in db/db mice. Diabetes Phase 3 Clinical
Pathway	: GPCR/G Protein
Target	: SGLT
Receptor	: SGLT
Solubility	: 10 mM in DMSO
SMILES	: <chem>O[C@H](O)[C@H](O)[C@@H](O)C1C=CC(C=C3)C=CC3OCCOC4CC4=C(Cl)C=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wang L, et al. Xenobiotica. 2016 Aug;46(8):703-8. | 2. Zhang W, et al. Pharmacol Res. 2011 Apr;63(4):284-93.