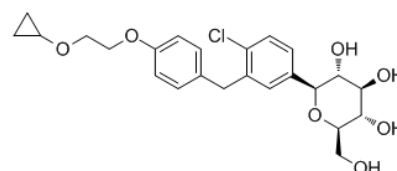


Product Name : Bexagliflozin
Cat. No. : PC-45385
CAS No. : 1118567-05-7
Molecular Formula : C₂₄H₂₉ClO₇
Molecular Weight : 464.9359
Target : SGLT
Solubility : 10 mM in DMSO



Biological Activity

Bexagliflozin (THR-1442, EGT1442) is a potent and selective **SGLT2** inhibitor with IC₅₀ of 2 nM.

Bexagliflozin shows little activity for SGLT1 (IC₅₀=5.6 μM).

Bexagliflozin produces a saturable urinary glucose excretion in normal rats and dogs with ED₅₀ of 0.38 and 0.09mg/kg, respectively.

Bexagliflozin reduced HbA(1c) and blood glucose concentration without affecting body mass or insulin level in db/db mice.

References

Wang L, et al. *Xenobiotica*. 2016 Aug;46(8):703-8.

Zhang W, et al. *Pharmacol Res*. 2011 Apr;63(4):284-93.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com