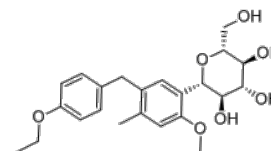


Product Name : Luseogliflozin
Cat. No. : PC-61383
CAS No. : 898537-18-3
Molecular Formula : C₂₃H₃₀O₆S
Molecular Weight : 434.547
Target : SGLT
Solubility : 10 mM in DMSO



Biological Activity

Luseogliflozin (TS-071) is a potent, selective, orally active **SGLT2** inhibitor with IC₅₀ of 2.26 nM, 1650-fold selectivity over SGLT1.

Luseogliflozin (TS-071) exhibits a blood glucose lowering effect, excellent urinary glucose excretion properties, and promising PK profiles in vivo.

Luseogliflozin (TS-071) increases urinary glucose excretion in Zucker fatty rats and beagle dogs at doses of 0.3 and 0.03 mg/kg respectively.

Luseogliflozin (TS-071) improves glucose tolerance without stimulating insulin secretion and reduces hyperglycaemia in STZ-induced diabetic rats.

References

Kakinuma H, et al. *J Med Chem.* 2010 Apr 22;53(8):3247-61.

Yamamoto K, et al. *Br J Pharmacol.* 2011 Sep;164(1):181-91.

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

E-mail: tech@probechem.com