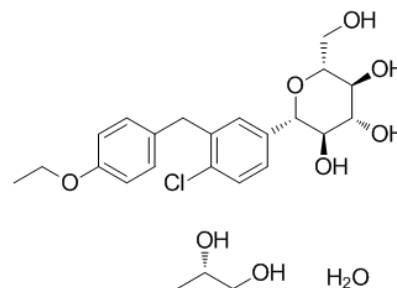


Product Name : Dapagliflozin (2S)-1,2-propanediol hydrate
Cat. No. : PC-42593
CAS No. : 960404-48-2
Molecular Formula : C₂₄H₃₅ClO₉
Molecular Weight : 502.9823
Target : SGLT
Solubility : 10 mM in DMSO
4. Komoroski B, et al. Clin Pharmacol Ther. 2009 May;85(5):513-9.



Biological Activity

A potent, selective, orally active hSGLT2 inhibitor with EC₅₀ of 1.12 nM; displays >300-fold selectivity over hSGLT1 (EC₅₀=330 nM), highly selectivity versus GLUT transporters; also is a potent selective inhibitor of rSGLT2 (EC₅₀=3 nM), with 200-fold selectivity versus rSGLT1; significantly improves glucose homeostasis, reduces blood glucose levels in hyperglycemic streptozotocin (STZ) rats.

Diabetes
Approved

References

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Wilson C. Nat Rev Endocrinol. 2010 Oct;6(10):531.

