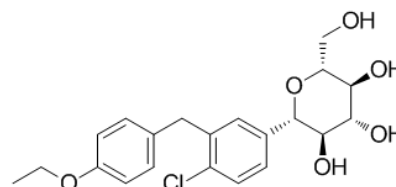


Product Name : Dapagliflozin
Cat. No. : PC-42592
CAS No. : 461432-26-8
Molecular Formula : C₂₁H₂₅ClO₆
Molecular Weight : 408.8726
Target : SGLT
Solubility : 10 mM in DMSO



Biological Activity

Dapagliflozin (BMS-512148) is a potent, selective, orally active **hSGLT2** inhibitor with EC₅₀ of 1.12 nM.

Dapagliflozin (BMS-512148) displays >300-fold selectivity over hSGLT1 (EC₅₀=330 nM), highly selectivity versus GLUT transporters.

Dapagliflozin (BMS-512148) also is a potent selective inhibitor of rSGLT2 (EC₅₀=3 nM), with 200-fold selectivity versus rSGLT1.

Dapagliflozin (BMS-512148) significantly improves glucose homeostasis, reduces blood glucose levels in hyperglycemic streptozotocin (STZ) rats.

References

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

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