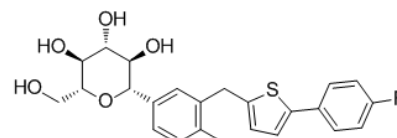


**Product Name** : Canagliflozin  
**Cat. No.** : PC-42594  
**CAS No.** : 842133-18-0  
**Molecular Formula** : C<sub>24</sub>H<sub>25</sub>FO<sub>5</sub>S  
**Molecular Weight** : 444.5157  
**Target** : SGLT  
**Solubility** : 10 mM in DMSO



## Biological Activity

Canagliflozin (JNJ 28431754) is a highly potent and selective **SGLT2** inhibitor with IC<sub>50</sub> of 4.4, 3.7 and 2.0 nM for hSGLT2, rSGLT2 and mSGLT2, respectively.

Canagliflozin (JNJ 28431754) displays >100-fold selectivity over SGLT1.

Canagliflozin (JNJ 28431754) improves glycemic control and beta-cell function in rodent models of T2DM, and reduces body weight gain in rodent models of obesity.

## References

Nomura S, et al. *J Med Chem.* 2010 Sep 9;53(17):6355-60.

Rosenstock J, et al. *Diabetes Care.* 2012 Jun;35(6):1232-8.

Liang Y, et al. *PLoS One.* 2012;7(2):e30555.

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

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