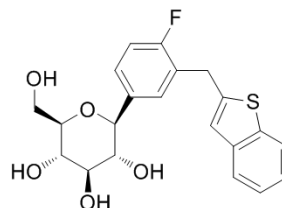


Product Name	: Ipragliflozin
Synonyms	: ASP1941;ASP 1941;ASP-1941
Cat No.	: M15889
CAS Number	: 761423-87-4
Molecular Formula	: C ₂₁ H ₂₁ FO ₅ S
Formula Weight	: 404.45
Chemical Name	: D-Glucitol, 1,5-anhydro-1-C-[3-(benzo[b]thien-2-ylmethyl)-4-fluorophenyl]-, (1S)-
Description	: A highly potent and selective SGLT2 inhibitor with IC ₅₀ of 14 nM for hSGLT2; shows 254-fold selectivity over hSGLT1; reduces blood glucose levels in a dose-dependent manner in diabetic models KK-A(y) mice and STZ rats. Diabetes Approved
Pathway	: GPCR/G Protein
Target	: SGLT
Receptor	: SGLT2
Solubility	: 10 mM in DMSO
SMILES	: <chem>O[C@H]1[C@H](C2=CC=C(F)C(C3=CC4=CC=CC=C4S3)=C2)O[C@H](CO)[C@@H](O)[C@@H]1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Inamura M, et al. Bioorg Med Chem. 2012 May 15;20(10):3263-79.| 2. Tahara A, et al. J Pharmacol Sci. 2012;120(1):36-44.| 3. Tahara A, et al. Eur J Pharmacol. 2013 Sep 5;715(1-3):246-55.