

Canagliflozin, SGLT2 inhibitor

Catalog	Unit
TBI3576-5MG	5 mg
TBI3576-25MG	25 mg

Product Details

Formal Name: (1S)-1,5-anhydro-1-C-[3-[[5-(4-fluorophenyl)-2-thienyl]methyl]-4-methylphenyl]-D-glucitol

Alternate Names: JNJ-24831754

Molecular Formula: C₂₄H₂₅FO₅S

Formula Weight: 444.50

CAS Number: 842133-18-0

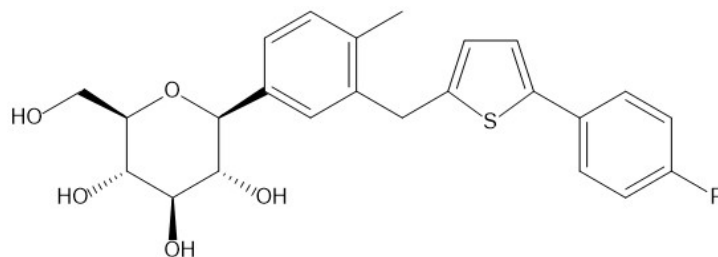
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 40 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

SGLT2 inhibitor

Functions

Potent inhibitor of the sodium-dependent glucose cotransporter 2 (SGLT2), IC₅₀ = 2.2 nM selective over SGLT1, IC₅₀=910 nM. Dose dependently increases glucose excretion in healthy subjects. Displays beneficial effects in nonalcoholic fatty liver disease (NAFLD). Extends lifespan in male but not female mice. Inhibits cancer cell proliferation via inhibition of mitochondrial complex-1 supported respiration. Suppresses the growth of pancreatic cancer cells.

Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.