BIOLOGICAL ACTIVITY:

Bexagliflozin is a potent and selective SGLT2 inhibitor with IC50 value of 5.6 μM /2 nM in SGLT1 /SGLT2 respectively.

- target: SGLT2
- IC50: 5.6 μM (SGLT1)/ 2 nM (SGLT2)
- 1) In normal rats and dogs a saturable urinary glucose excretion was produced with an ED50 of 0.38 and 0.09 mg/kg, respectively.
- 2) EGT1442 significantly prolonged the median survival of SHRSP rats.
- 3) EGT1442 dose-dependently reduced HbA1c and blood glucose concentration without affecting body mass or insulin level.

References: