

PRODUCT: Bexagliflozin (EGT1442)

ALTERNATE NAMES: (3R,4R,5S,6R)-2-(4-chloro-3-(4-(2-cyclopropoxyethoxy)benzyl)phenyl)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol; EGT1442; THR1442

CATALOG NUMBER: B1929-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₄H₂₉ClO₇

MOLECULAR WEIGHT: 464.94

CAS NUMBER: 1118567-05-7

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Bexagliflozin is a potent and selective sodium glucose co-transporter 2 (SGLT2) inhibitor with IC₅₀ values of 5.6 μM and 2 nM for human SGLT1 and SGLT2, respectively. Bexagliflozin dose-dependently reduces HbA(1c) and blood glucose concentration without affecting body mass or insulin level.

REFERENCES: Zang, W., *et al.* (2011). *Pharmacol. Res.* **63**, 284-293.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Bexagliflozin (Cat. No. B1929-5,25)

Canagliflozin (Cat. No. B1597-5,25)

Dapagliflozin (Cat. No. 9452-10,50)

DiscoveryPak™ SGLT-2 Inhibitors Set (Cat. No. S235-4)

Empagliflozin (Cat. No. 2877-10,50)

Ertugliflozin (Cat. No. B1896-5,25)

Ipragliflozin (Cat. No. B1926-5,25)

LX-4211 (Cat. No. 9623-5,25)

Phlorizin (Cat. No. 2416-100, 500)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**