

**PRODUCT: Dapagliflozin****ALTERNATE NAME:** (1S)-1,5-anhydro-1-C-[4-chloro-3-[(4-ethoxyphenyl)methyl]phenyl]-D-glucitol**CATALOG #:** 9452-10, 50**AMOUNT:** 10 mg, 50 mg**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>25</sub>ClO<sub>6</sub>**MOLECULAR WEIGHT:** 408.87**CAS NUMBER:** 461432-26-8**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (~80 mg/ml) or EtOH (~30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Dapagliflozin is a selective SGLT (sodium-glucose cotransporter) inhibitor that blocks glucose transport with about 100-fold selectivity for SGLT2 (K<sub>i</sub> = 6 nM; EC<sub>50</sub> = 1.1 nM) over SGLT1 (K<sub>i</sub> = 390 nM). An antidiabetic agent.**REFERENCES:** Chao, E.C., *et al.* (2010). *Nat. Rev. Drug Discov.* **9**, 551-559.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

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

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

SGLT1 Antibody (Cat. No. 3711-100)

SGLT2 Antibody (Cat. No. 3690-100)

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