
Product Data Sheet

Product Name: LX2761
Cat. No.: GC36498

Chemical Properties

Cas. No. 1610954-97-6

SMILES CC1=CC=C([C@H]2[C@H](O)[C@@H](O)[C@H](O)[C@@H](SC)O2)C=C1CC3=CC=C(CCCC(NC(C(NCCN(C)C)=O)(C)C)=O)C=C3

Formula C₃₂H₄₇N₃O₆S M.Wt 601.8

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

LX2761 is chemically stable and potent inhibitor against sodium-dependent glucose cotransporter 1 (SGLT1) and SGLT2 in vitro with IC₅₀s of 2.2 nM and 2.7nM for hSGLT1 and hSGLT2, but displays specific SGLT1 inhibition in the gastrointestinal (GI) tract[1]. IC₅₀: 2.2 nM (hSGLT1), 2.7nM (hSGLT2)[1]

[1]. Goodwin NC, et al. Discovery of LX2761, a Sodium-Dependent Glucose Cotransporter 1 (SGLT1) Inhibitor Restricted to the Intestinal Lumen, for the Treatment of Diabetes. J Med Chem. 2017 Jan 26;60(2):710-721.

Caution: Product has not been fully validated for medical applications. For research use only.

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