

Product Name	: Mizagliflozin
Synonyms	: DSP-3235; KGA-3235; GSK-1614235
Cat No.	: M15544
CAS Number	: 666843-10-3
Molecular Formula	: C ₂₈ H ₄₄ N ₄ O ₈
Formula Weight	: 564.68
Chemical Name	: 3-((3-(4-((5-isopropyl-3-(((2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-1H-pyrazol-4-yl)methyl)-3-methylphenoxy)propyl)amino)-2,2-dimethylpropanamide
Description	Mizagliflozin (DSP-3235, KGA-3235, GSK-1614235) is a potent, selective, orally active SGLT1 inhibitor with K_i of 27 nM, displays >350-fold selectivity over SGLT2; increases stool frequency and loosens stool consistency in phase I study; increases fecal wet weight in a dog model of loperamide-induced constipation and a rat model of low-fiber-diet-induced constipation, similar to lubiprostone. Diabetes Phase 1 Clinical
Pathway	: GPCR/G Protein
Target	: SGLT
Receptor	: SGLT
Solubility	: —
SMILES	: <chem>O=C(N)C(C)(C)CNCCCOC1=CC=C(CC2=C(C(C)C)NN=C2O[C@H]3[C@@H]([C@H]([C@@H]([C@@H]([C@@H](CO)O3)O)O)C(C)=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Inoue T, et al. Eur J Pharmacol. 2017 Jul 5;806:25-31.

