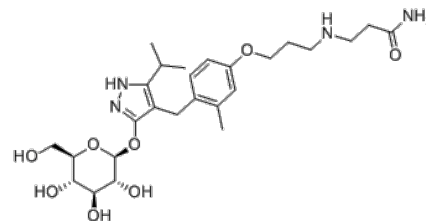


Product Name : KGA-2727
Cat. No. : PC-63375
CAS No. : 666842-36-0
Molecular Formula : C₂₆H₄₀N₄O₈
Molecular Weight : 536.626
Target : SGLT
Solubility : 10 mM in DMSO



Biological Activity

KGA-2727 is a potent, selective **SGLT1** inhibitor with K_i of 97.4 nM, >100-fold selectivity over SGLT2. KGA-2727 attenuates the elevation of plasma glucose after glucose loading in streptozotocin-induced diabetic rats, preserves glucose-stimulated insulin secretion and reduces urinary glucose excretion with improved morphological changes of pancreatic islets and renal distal tubules in ZDF rats.

References

- Shibazaki T, et al. *J Pharmacol Exp Ther*. 2012 Aug;342(2):288-96.
 Dobbins RL, et al. *Am J Physiol Gastrointest Liver Physiol*. 2015 Jun 1;308(11):G946-54.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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