
Product Data Sheet

Product Name: Velagliflozin

Cat. No.: GC31593

Chemical Properties

Cas. No. 946525-65-1

SMILES O[C@H]1[C@H](C2=CC(CC3=CC=C(C4CC4)C=C3)=C(C#N)C=C2)O[C@H](CO)[C@@H](O)[C@@H]1OFormula C₂₃H₂₅NO₅

M.Wt 395.45

Solubility DMSO : 200 mg/mL (505.75 mM; Need ultrasonic) 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**

Velagliflozin is an orally available sodium-glucose cotransporter 2 (SGLT2) inhibitor, with anti-diabetic activity.

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Velagliflozin (1 mg/kg, p.o.) increases cholesterol, albumin, beta-hydroxybutyrate (BHB), nonesterified fatty acids (NEFA), and urinary glucose excretion, and decreases respiratory exchange ratio in cats[1].

[1]. Hoenig M, et al. Effects of the sodium-glucose cotransporter 2 (SGLT2) inhibitor velagliflozin, a new drug with therapeutic potential to treat diabetes in cats. J Vet Pharmacol Ther. 2018 Apr;41(2):266-273.

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

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