Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Ipragliflozin

Catalog No: tcsc2432

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg

Specifications

CAS No:
761423-87-4

Formula:
$C_{21}H_{21}FO_5S$

Pathway:
Membrane Transporter/Ion Channel

Target:
SGLT

Purity / Grade:
>98%

Solubility:
H2O :

Alternative Names:
ASP1941

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Observed Molecular Weight:
404.45

Product Description

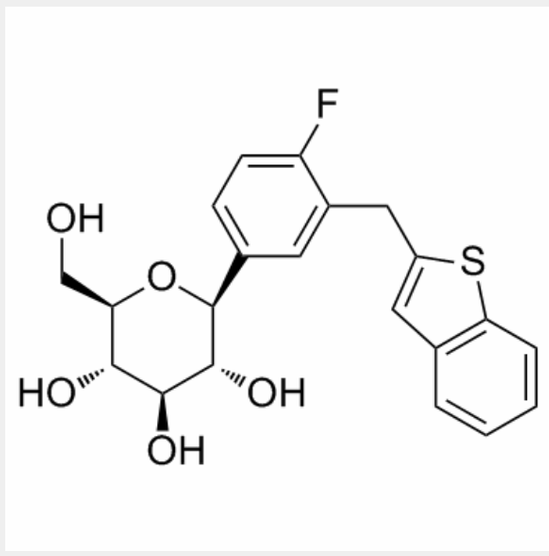
Ipragliflozin (ASP1941) is a highly potent and selective SGLT2 inhibitor with IC50 of 2.8 nM; little and NO potency for SGLT1/3/4/5/6.

IC50 value: 2.8 nM [1][2]

Target: SGLT2

in vitro: Ipragliflozin potently and selectively inhibited human, rat, and mouse SGLT2 at nanomolar ranges and exhibited stability against intestinal glucosidases [3].

in vivo: Ipragliflozin showed good pharmacokinetic properties following oral dosing, and dose-dependently increased urinary glucose excretion, which lasted for over 12 h in normal mice [3]. Oral administration of ipragliflozin increased urinary glucose excretion in a dose-dependent manner, an effect which was significant at doses of 0.3 mg/kg or higher and lasted over 12 h [4]. Single administration of ipragliflozin dose-dependently increased urinary glucose excretion, reduced blood glucose and plasma insulin levels, and improved glucose intolerance [5].



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