

Alogliptin (Benzoate)

Catalog No: tcsc0761



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

850649-62-6

Formula:

$C_{25}H_{27}N_5O_4$

Pathway:

Metabolic Enzyme/Protease

Target:

Dipeptidyl Peptidase

Purity / Grade:

>98%

Solubility:

DMSO : 50 mg/mL (108.34 mM; Need ultrasonic)

Alternative Names:

SYR 322

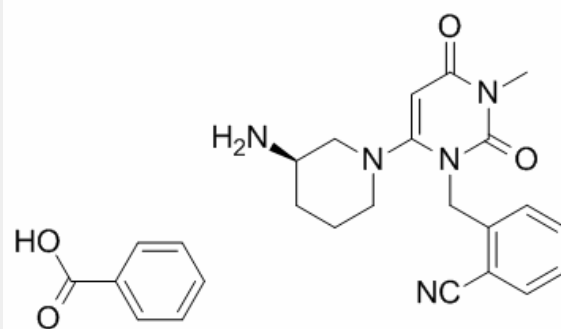
Observed Molecular Weight:

461.51

Product Description

Alogliptin benzoate(SYR 322) is a potent, selective inhibitor of DPP-4 with IC50 of
IC50 value:
Target: DPP4

Alogliptin is an orally administered, anti-diabetic drug in the DPP-4 inhibitor class. A randomized clinical trial reporting in 2011 aimed to determine the efficacy and safety of alogliptin versus placebo and voglibose among newly diagnosed Type 2 diabetes patients in Japan. The main outcome indicated that alogliptin was statistically superior to both comparitors. A randomized clinical trial reporting in 2012 aimed to demonstrate that alogliptin was \"non-inferior\" to a \"very low fat/calorie traditional Japanese diet\" among newly diagnosed Type 2 diabetes patients in Japan. The outcome indicated that both the drug and dietary treatments comparably impacted indicators of the diabetic condition, such as HbA1c levels and glycemic efficacy. The drug treatment had its impact without changing body mass index (BMI), but the dietary treatment was accompanied by a significant reduction in the BMI...



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