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

PSN632408

Catalog No: tcsc3191

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
857652-30-3

Formula:
$C_{18}H_{24}N_4O_4$

Pathway:
GPCR/G Protein

Target:
GPR119

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
360.41

Product Description

PSN632408 is an optimized agonist of GPR119 receptors that shows similar potency to OEA at both recombinant mouse and human GPR119 receptors, exhibiting EC50 values of 5.6 and 7.9 uM, respectively.

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IC50 value: 5.6/7.9 uM (recombinant mouse/ human GPR119) [1]

Target: GPR119 agonist

Systemic administration of PSN632408 (30 mg/kgintraperitoneally) suppresses food intake, reduces weight gain, and white adipose tissue deposition in rats. GPR119 (previously designated SNORF25) is an orphan G protein-coupled receptor expressed predominantly in the pancreas and gastrointestinal tract in humans and in the brain, pancreas, and gastrointestinal tract in rodents. It mediates a reduction in food intake and body weight gain in rats upon treatment with oleoyl ethanolamide (OEA), an endogenous, potent agonist for PPARα. These data suggest that PSN632408 may be useful as a therapeutic agent for the treatment of obesity.