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

SB-568849

Catalog No: tcsc0018460

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Specifications

CAS No:
395679-53-5

Formula:
$C_{28}H_{31}F_3N_2O_3$

Pathway:
GPCR/G Protein

Target:
MCHR1 (GPR24)

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
500.55

Product Description

SB-568849 is a **melanin-concentrating hormone receptor 1** (**MCH R1**) antagonist with a **pK_i** of 7.7.

IC50 & Target: MCH R1 receptor[1]

In Vitro:

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SB-568849 is a selective SLC-1 antagonist with a pK_i of 7.7 as determined in radioligand binding displacement assays; coincubation of tissue with 1 μM SB-568849 for 45 min completely inhibits the MCH induced increase in corticotropin-releasing factor (CRF) release to basal levels without causing any effect on its own. The only reported MCH receptor in the rat is SLC-1, a G protein coupled receptor found throughout the brain and periphery[2].

In Vivo: SB-568849 (Compound 15h) possesses good receptor affinity and selectivity. SB-568849 proves to be an antagonist with stability in vivo, an acceptable brain–blood ratio and oral bioavailability. SB-568849 retains affinity, demonstrates greater in vivo stability (CL_b=16 mL/min/kg) and shows an acceptable brain-blood ratio of 1. SB-568849 also shows >30-fold selectivity over a wide range of monoamine receptors and is an antagonist in the FLIPR assay with a pK_b of 7.7[3].