



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 ₃ N ₂ O ₃	
Pathway: GPCR/G Protein	
Target: MCHR1 (GPR24)	
Purity / Grade: >98%	
Solubility: 10 mM in DMSO	
Observed Molecular Weight:	

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:

500.55





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 μ M 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 ($CL_b=16 \text{ mL/min/kg}$) 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].

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!