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

Bay 60-7550

Catalog No: tcsc0279

Available Sizes

Size: 5mg

Size: 10mg

Size: 100mg

Specifications

CAS No:
439083-90-6

Formula:
$C_{27}H_{32}N_4O_4$

Pathway:
Metabolic Enzyme/Protease

Target:
Phosphodiesterase (PDE)

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 33.3 mg/mL (69.87 mM)

Alternative Names:
BAY 607550

Observed Molecular Weight:
476.57

Product Description

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

Bay 60-7550 is a selective inhibitor of **PDE2** with $\mathbf{K_i}$ of 3.8±0.2 nM, also is a modulator of NO.

IC50 & Target: Ki: 3.8±0.2 nM (PDE2)[1]

In Vitro: Bay 60-7550 (1 μM) increases cGMP in the neuronal cultures compared with control [F(6,14)=12.97, p[1]. Compared with untreated control cells, proliferation of PASMCs from IPAH patients is significantly reduced by BAY 60-7550 (1 μM)[2].

In Vivo: The PDE2 inhibitors Bay 60-7550 (1 mg/kg) reverses restraint stress-induced alterations in behavior, resulting in increased percentages of open-arm entries and open-arm time compared with the vehicle + restraint stress condition. In nonstressed mice, Bay 60-7550 produces a dose-dependent increase in percentages of open-arm entries and open-arm time compared with the vehicle-treated group; significant increases are observed at a dose of 3 mg/kg. In nonstressed mice, Bay 60-7550 increases, in a dose-dependent manner, the number of head-dips and time spent head-dipping, compared with vehicle-treated mice; significant increases are observed at doses of 1 and 3 mg/kg[1].