

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

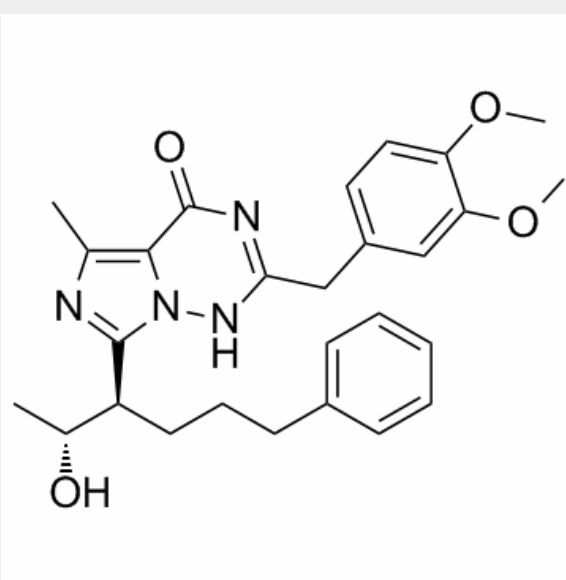
Product Description

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

IC50 & Target: K_i: 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 PSMCs 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].



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