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

SLx-2119

Catalog No: tcsc0776

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
911417-87-3

Formula:
$C_{26}H_{24}N_6O_2$

Pathway:
TGF-beta/Smad;Stem Cell/Wnt;Cell Cycle/DNA Damage

Target:
ROCK;ROCK;ROCK

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 29 mg/mL (64.09 mM)

Alternative Names:
ROCK inhibitor;KD-025

Observed Molecular Weight:
452.51

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Product Description

SLx-2119 is a selective inhibitor of **ROCK2** with **IC_{50}** of 105 nM, more than 200 fold selecivity over ROCK1 (IC_{50}=24 μM).

IC50 & Target: IC50: 105 nM (ROCK2)[1]

In Vitro: SLx-2119 (40 μM) induces significant down-regulations of Tsp-1 and CTGF mRNA levels in PASMC. The microarray hybridized with aRNA from HMVEC treated with SLx-2119, shows a 5-times higher background than the other arrays[1].

In Vivo: KD025 (100, 200 or 300 mg/kg, i.p.) dose-dependently reduces infarct volume after transient middle cerebral artery occlusion. KD025 is at least as efficacious in aged, diabetic or female mice, as in normal adult males[2].