

# SB 202190

Catalog No: #S07499



Package Size: #S07499-1 1 mL #S07499-2 10 mg #S07499-3 100 mg #S07499-4 200 mg #S07499-5 25 mg #S07499-6 50 mg  
 Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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## Description

Product Name	SB 202190
Other Names	pocket;spatial;SB202190;SB-202190;SB 202190;p38 MAPK;p38β;p38MAPK;p38α;memory;Inhibitor;inhibit;learning;deficits;FHPI;colorectal;Autophagy;Apoptosis;ATP;anti-cancer
Calculated MW	331.34
Storage	Powder: -20°C for 3 years . In solvent: -80°C for 1 year . Shipping with blue ice.

## Application Details

SB 202190 (2 mg/kg) was administered i.p. to mice 30 min before LPS (10 mg/kg) challenge. The results showed that SB 202190 significantly inhibited LPS-induced TNF-α production in spleen cells. In another study, SB 202190 (5 mg/kg) was administered to mice before LPS challenge, and it was found that SB 202190 significantly inhibited LPS-induced TNF-α production in spleen cells. In a third study, SB 202190 (5-50 μM) was tested in an MTT assay, and it was found that SB 202190 significantly inhibited cell growth in a dose-dependent manner. In a fourth study, SB 202190 (0.1-10 μM) was tested in a Western blot assay, and it was found that SB 202190 significantly inhibited p38 phosphorylation in HUVEC cells. In a fifth study, SB 202190 (32 mg/kg) was administered to rats before ischemia-reperfusion, and it was found that SB 202190 significantly reduced infarct size and improved neurological outcomes.

of renal ischemia. Rats were operated, and the renal artery and vein were clamped under microscope to stop renal blood flow. After 45 min, clamps were removed, and reperfusion of the kidney was observed before closing of the wound. Sham-operated animals (n 3) received the same surgical procedure, with the exception of ischemia, and were included as a control group. After 4 days, animals were sacrificed, and blood samples were collected from the abdominal aorta. Kidneys were isolated after gently flushing the organs with saline and preserved in 4% formalin for preparation of paraffin-embedded sections or frozen in ice-cold isopentane for preparation of cryosections [2].

Antibodies: p38β:100 nM (cell free)|p38α:50 nM (cell free)  
Antibodies: Anti-p38 MAPK

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.