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

A-836339

Catalog No: tcsc3960

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
959746-77-1

Formula:
$C_{16}H_{26}N_2O_2S$

Pathway:
GPCR/G Protein

Target:
Cannabinoid Receptor

Purity / Grade:
>98%

Solubility:
DMSO : 12 mg/mL (38.65 mM; Need ultrasonic and warming)

Observed Molecular Weight:
310.45

Product Description

A-836339 is a cannabinoid CB2 receptor-selective agonist; exhibits high potencies at CB(2) and selectivity over CB(1) receptors.

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IC50 value: 1.6 nM(EC50) [1]

Target: CB2 agonist

in vitro: In radioligand binding assays, A-836339 displays high affinities at CB(2) receptors and selectivity over CB(1) receptors in both human and rat.In addition A-836339 exhibits a profile devoid of significant affinity at other G-protein-coupled receptors and ion channels [1].

in vivo: In the complete Freund\'s adjuvant model of inflammatory pain, A-836339 exhibits a potent CB(2) receptor-mediated antihyperalgesic effect that is independent of CB(1) or mu-opioid receptors. A-836339 has also demonstrated efficacies in the chronic constrain injury (CCI) model of neuropathic pain, skin incision, and capsaicin-induced secondary mechanical hyperalgesia models [1]. Similar to systemic delivery, intra-spinal injection of A-836339 (0.3 and 1 nmol) also attenuated both von Frey-evoked and spontaneous firing of WDR neurons in neuropathic rats. Intra-spinal injections of A-836339 were ineffective in sham rats [2]. Systemic A-836339 and AM1241 produced dose-dependent efficacy in both inflammatory and neuropathic pain models. Local administration of CB agonists also produced significant analgesic effects in SNL (intra-DRG and i.t.) and CFA (intra-DRG) pain models [3].