Product Name: A-836339
CAS No.: 959746-77-1
Cat. No.: HY-12761
MWt: 310.45
Formula: C16H26N2O2S
Purity: >98%

Solubility: DMSO

Mechanisms:
Pathways: GPCR/G protein; Target: Cannabinoid Receptor

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

References:

Caution: Not fully tested. For research purposes only
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