

MS436

Catalog No: tcsc1729



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1395084-25-9

Formula:

$C_{18}H_{17}N_5O_3S$

Pathway:

Epigenetics

Target:

Epigenetic Reader Domain

Purity / Grade:

>98%

Solubility:

DMSO : 25.5 mg/mL (66.51 mM; Need ultrasonic and warming)

Observed Molecular Weight:

383.42

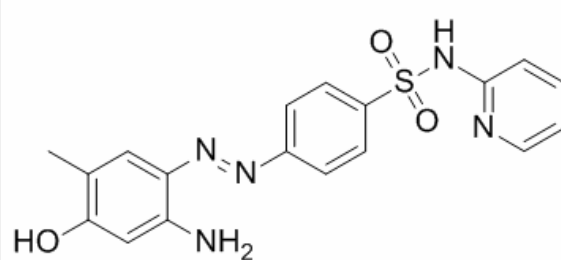
Product Description

MS436 is a new class of **bromodomain** inhibitor, exhibits potent affinity of an estimated $K_i=30-50$ nM for the BRD4 BrD1 and a 10-

fold selectivity over the BrD2.

IC50 & Target: Ki: 30-50 nM (BRD4 bromodomain)^[1]

In Vitro: MS436, through a set of water-mediated interactions, exhibits low nanomolar affinity (estimated K_i of 30-50 nM) with preference for the first bromodomain over the second. MS436 effectively inhibits BRD4 activity in NF- κ B-directed production of NO and pro-inflammatory cytokine interleukin-6 in murine macrophages. MS436 represents a new class of bromodomain inhibitors and will facilitate further investigation of the biological functions of the two bromodomains of BRD4 in gene expression. MS436 exhibits potent affinity of an estimated K_i =30-50 nM for the BRD4 BrD1 and a 10-fold selectivity over the BrD2, which is achieved through a unique set of water-mediated intermolecular interactions^[1].



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