
MS436

产品编号: D50894

CAS: 1395084-25-9

分子式: C₁₈H₁₇N₅O₃S

纯度: ≥98%

InChi: InChi=1S/C₁₈H₁₇N₅O₃S/c1-12-10-16(15(19)11-17(12)24)22-21-13-5-7-14(8-6-13)27(25,26)23-18-4-2-3-9-20-18/h2-11,24H,19H2,1H3,(H,20,23)/b22-21+

InChi Key: DZTGIRNXWSZBIM-QURGRASLSA-N

Smiles: CC1=CC(/N=N/C2C=CC(=CC=2)S(=O)(=O)NC2C=CC=CN=2)=C(N)C=C1O

外观: 固体粉末

作用通路: Epigenetic Reader Domain

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: MS436 is a potent and selective BET bromodomain inhibitor with K_i of $<0.085\ \mu\text{M}$ and $0.34\ \mu\text{M}$ for BRD4 (1) and BRD4 (2), respectively. It effectively inhibits BRD4 activity in NF- κ B-directed production of nitric oxide and proinflammatory cytokine interleukin-6 in murine macrophages without significantly inhibition on cell viability. MS436 represents a new class of bromodomain inhibitors to study the functional differences of the two bromodomains of BRD4