
Ischemin

产品编号: D50891

CAS: 1357059-00-7

分子式: C₁₅H₁₆N₃NaO₄S

纯度: ≥98%

InChi: InChi=1S/C₁₅H₁₇N₃O₄S.Na/c1-8-4-10(3)15(23(20,21)22)7-12(8)17-18-13-5-9(2)14(19)6-11(13)16;/h4-7,19H,16H2,1-3H3,(H,20,21,22);/q;+1/p-1/b18-17+;

InChi Key: ZTDQQIATQGCZBV-ZAGWXBKKS-A-M

Smiles: [Na+].CC1C=C(C)C(=CC=1S([O-])(=O)=O)/N=N/C1C=C(C)C(O)=CC=1N

外观: 固体粉末

溶解性: DMSO up to 100 mM

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

产品介绍: Ischemin is a potent, selective and cell permeable CBP bromodomain inhibitor. It inhibits the acetyl-lysine binding activity of the bromodomain of CBP. It alters post-translational modifications on p53 and histones, inhibits p53 interaction with CBP and transcriptional activity in cells, and prevents Doxorubicin-induced apoptosis in ischemic cardiomyocytes. Ischemin is a good chemical probe to modulate acetylation-mediated interactions in gene transcription and a new approach to therapeutic interventions of human disorders such as myocardial ischemia