
NI-57

产品编号: D50937

CAS: 1883548-89-7

分子式: C₁₉H₁₇N₃O₄S

纯度: ≥98%

InChi: InChI=1S/C₁₉H₁₇N₃O₄S/c1-12-8-14-10-15(5-6-16(14)22(2)19(12)23)21-27(24,25)18-7-4-13(11-20)9-17(18)26-3/h4-10,21H,1-3H3

InChi Key: UEMQPCYDWCSVCU-UHFFFAOYSA-N

Smiles: CC1=CC2=CC(=CC=C2N(C)C1=O)NS(=O)(=O)C1C=CC(=CC=1OC)C#N

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: NI-57 is a potent and selective inhibitor of the bromodomain of the BRPFs. It binds to BRPF1B with a K_D of 31 nM (ITC), to BRPF2 with a K_D of 108 nM (ITC) and to BRPF3 K_D of 408 nM (ITC). NI-57 is very selective against other non-Class IV bromodomains, including the BETs, has minimum 32-fold selectivity against BRD9. It shows accelerated FRAP recovery at 1 μM in the BRPF2 FRAP assay preventing binding of full-length BRPF2 to chromatin.