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## OF-1

产品编号: D50884

CAS: 919973-83-4

分子式: C<sub>17</sub>H<sub>18</sub>BrN<sub>3</sub>O<sub>4</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>17</sub>H<sub>18</sub>BrN<sub>3</sub>O<sub>4</sub>S/c1-10-7-11(18)5-6-16(10)26(23,24)19-12-8-13-14(9-15(12)25-4)21(3)17(22)20(13)2/h5-9,19H,1-4H3

InChi Key: YUNQZQREIHWDQT-UHFFFAOYSA-N

Smiles: CC1C=C(Br)C=CC=1S(=O)(=O)NC1=CC2=C(C=C1OC)N(C)C(=O)N2C

外观: 固体粉末

作用通路: Epigenetic Reader Domain

溶解性: DMSO up to 20 mM

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

产品介绍: OF-1 is the potent and selective BRPF (BRomodomain and PHD Finger containing) inhibitor. It binds to BRPF1B with a KD of 100 nM (ITC), to BRPF2 with a KD of 500 nM (ITC) and to BRPF3 with a KD of 2.4 mM (ITC). It has general >100-fold selectivity against other bromodomains (39-fold selectivity over BRD4). OF-1 increases thermal stability in the cellular thermal shift assay (CETSA) of full length BRPF1B at 1 μM and also demonstrates accelerated FRAP recovery at 5 μM in the BRPF2 FRAP assay. It shows modest general cytotoxicity.