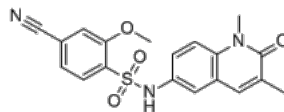


Product Name	: NI-57
Synonyms	: BRPF inhibitor NI57
Cat No.	: M12933
CAS Number	: 1883548-89-7
Molecular Formula	: C ₁₉ H ₁₇ N ₃ O ₄ S
Formula Weight	: 383.42
Chemical Name	: 4-cyano-N-(1,2-dihydro-1,3-dimethyl-2-oxo-6-quinoliny)-2-methoxy-benzenesulfonamide



Description	: NI-57 is a potent inhibitor of the bromodomain of the BRPFs and binds to BRPF1B, BRPF2 and BRPF3 and with KD of 31 nM, 108 nM and 408 nM (ITC), respectively; shows highly selectivity against other non-Class IV bromodomains, including the BETs, as measured by both biophysical and biochemical methods; displays 32-fold selectivity over the closest off-target BRD9; shows accelerated FRAP recovery at 1 uM in the BRPF2 FRAP assay preventing binding of full-length BRPF2 to chromatin.
Pathway	: Chromatin/Epigenetic
Target	: Bromodomain
Receptor	: Bromodomain
Solubility	: DMSO : ≥ 83.3 mg/mL 217.26 mM
SMILES	: <chem>O=S(C1=CC=C(C#N)C=C1OC)(NC2=CC3=C(N(C)C(C(C)=C3)=O)C=C2)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Pérez-Salvia M, et al. Epigenetics. 2017 May 4;12(5):323-339. 2. Igoc N, et al. J Med Chem. 2017 Aug 10. doi: 10.1021/acs.jmedchem.7b00611.