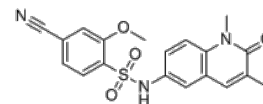


**Product Name** : NI-57  
**Cat. No.** : PC-62286  
**CAS No.** : 1883548-89-7  
**Molecular Formula** : C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 383.422  
**Target** : Bromodomain  
**Solubility** : 10 mM in DMSO



## Biological Activity

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.

NI-57 shows highly selectivity against other non-Class IV bromodomains, including the BETs, as measured by both biophysical and biochemical methods.

NI-57 displays 32-fold selectivity over the closest off-target BRD9.

NI-57 shows accelerated FRAP recovery at 1 μM in the BRPF2 FRAP assay preventing binding of full-length BRPF2 to chromatin.

## References

Pérez-Salvia M, et al. *Epigenetics*. 2017 May 4;12(5):323-339.

Igoe N, et al. *J Med Chem*. 2017 Aug 10. doi: 10.1021/acs.jmedchem.7b00611.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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