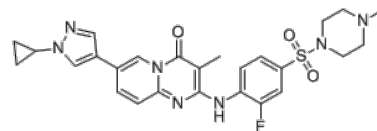


Product Name : NVS-BPTF-1
Cat. No. : PC-72789
CAS No. : 2662454-54-6
Molecular Formula : C₂₆H₂₈FN₇O₃S
Molecular Weight : 537.614
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

NVS-BPTF-1 is the first highly potent and selective **BPTF-bromodomain** inhibitor with IC₅₀ of 56 nM in an AlphaScreen assay and K_d of 71 nM in a BLI assay.

NVS-BPTF-1 displays no significant interaction in DSF screen and a BROMOscan against a panel of other human bromodomains.

In HEK293 cells, NVS-BPTF-1 showed on-target activity with an IC₅₀ of 16 nM, as measured by a nanoBRET assay.

NVS-BPTF-1 did not affect the proliferation of multiple human cancer cell lines, and NVS-BPTF-1 did not affect the level of PSMB8 and PSMB9 or TAP1 and TAP2, unlike BPTF siRNA knockdown caused effect.

References

Léa Mélin, et al. *Bioorg Med Chem Lett*. 2021 Sep 1;47:128208.

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

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