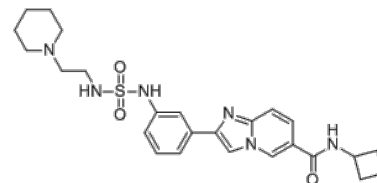


Product Name : SR-0813
Cat. No. : PC-72573
CAS No. : 2597186-19-9
Molecular Formula : C₂₅H₃₂N₆O₃S
Molecular Weight : 496.63
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

SR-0813 (SR0813) is a potent, selective, dual **ENL/AF9 YEATS domain** inhibitor (IC₅₀ =25/311 nM).

SR-0813 engages the ENL YEATS domain more potently in cells consistent with its 25 nM potency in the HTRF assay.

SR-0813 is not selective for ENL over AF9, potently inhibits both.

SR-0813 is highly selective against the YEATS domains of YEATS2 and YEATS4. SR-0813 is potently engaged in cells (ENL EC₅₀=205 nM, AF9 =76 nM).

SR-0813 shows no off-target effects on bromodomain proteins, and a kinase selective profile 3/468 kinases using the KINOMEScan profiling service.

SR-0813 (1 μM) downregulated ENL target genes, HOXA9, MEIS1, and MYC following treatment of MV4;11 cells, inhibited the growth of ENL-dependent leukemia.

SR-0813 as an exquisitely selective chemical probe for the ENL YEATS domain.

References

Garnar-Wortzel L, *ACS Cent Sci*. 2021 May 26;7(5):815-830.

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

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