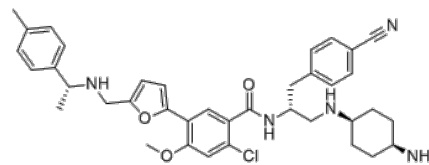


Product Name : BAY-850
Cat. No. : PC-60022
CAS No. : 2099142-76-2
Molecular Formula : C₃₈H₄₄ClN₅O₃
Molecular Weight : 654.252
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

BAY-850 (BAY850) is a potent, isoform selective, cellularly active **ATAD2 bromodomain** inhibitor with binding IC₅₀ of 166 nM in TR-FRET assay.

BAY-850 shows no inhibitory activity in a panel of 354 kinases and only modest effects on a few GPCRs.

BAY-850 displaces a tetra-acetylated H4 peptide with an IC₅₀ of 22 nM, and the tetra-acetylated peptides with IC₅₀ of 115 nM.

BAY-850 specifically induces ATAD2 bromodomain dimerization and prevents interactions with acetylated histones in vitro, as well as with chromatin in cells.

References

Fernández-Montalván AE, et al. *ACS Chem Biol.* 2017 Nov 17;12(11):2730-2736.

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

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