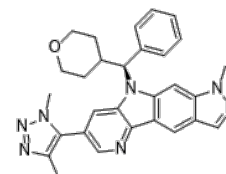


Product Name : NHWD-870
Cat. No. : PC-27038
CAS No. : 2115742-03-3
Molecular Formula : C₂₉H₂₉N₇O
Molecular Weight : 491.60
Target : Bromodomain
Solubility : 10 mM in DMSO



CAS: 2115742-03-3

Biological Activity

NHWD-870 is a potent **BET inhibitor** with IC₅₀ of 2.7 nM for BRD4 bromodomain, inhibits **BRD4** activation and c-MYC expression.

NHWD-870 shows potent BET inhibition in cellular assays using A375 melanoma cells with IC₅₀ of 2.46 nM, which is about 23-fold more potent than I-BET151 (IC₅₀ = 55.5 nM), and about 14-fold more potent than two clinical stage inhibitors GSK-525762 (IC₅₀ = 35.6 nM) or OTX015 (IC₅₀=34.8 nM).

NHWD-870 suppresses the growth of multiple solid tumor cell lines, inhibits BRD4 phosphorylation and c-MYC expression.

NHWD-870 strongly suppresses the growth of established lung tumor, ovarian tumor, lymphoma, and melanoma in vivo.

NHWD-870 reduced the proliferation of TAMs in vivo, by inhibiting CSF1R signaling.

References

Yin M, et al. *Nat Commun.* 2020 Apr 14;11(1):1833.

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

E-mail: tech@probechem.com