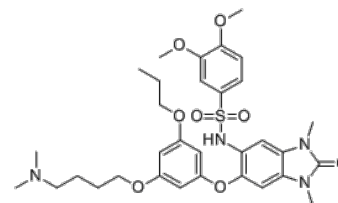


Product Name : IACS-9571
Cat. No. : PC-63216
CAS No. : 1800477-30-8
Molecular Formula : C₃₂H₄₂N₄O₈S
Molecular Weight : 642.768
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

IACS-9571 is a potent, selective dual **TRIM24-BRPF1** bromodomain inhibitor with K_d of 31 and 14 nM, respectively. IACS-9571 displays 9- and 21-fold selectivity against BRPF2 and BRPF3, weaker affinities with BAZ2B (K_d= 400 nM) and the second domain of TAF1 (K_d=1,800 nM), and >7,700-fold selectivity versus BRD4 BD1 and BD2. IACS-9571 demonstrates excellent cellular potency (EC₅₀= 50 nM) and favorable pharmacokinetic properties. IACS-9571 is a chemical probe to investigate biological and pharmacological role of TRIM24 and/or BRPF1 bromodomain inhibition in vitro and in vivo.

References

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- Zhan Y, et al. *Epigenetics Chromatin*. 2015 Sep 21;8:37.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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