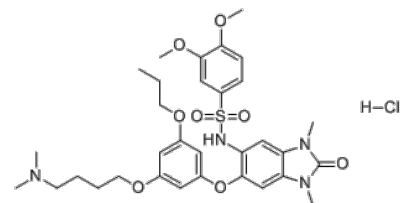


Product Name : IACS-9571 hydrochloride
Cat. No. : PC-21929
CAS No. : 2319611-93-1
Molecular Formula : C₃₂H₄₃ClN₄O₈S
Molecular Weight : 679.23
Target : Bromodomain
Solubility : 10 mM in DMSO



CAS: 2319611-93-1

Biological Activity

IACS-9571 hydrochloride 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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Palmer WS, et al. J Med Chem. 2016 Feb 25;59(4):1440-54.

Appikonda S, et al. J Biol Chem. 2018 Mar 9. pii: jbc.RA118.002233.

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

E-mail: tech@probechem.com