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**Product Data Sheet**

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Product Name: IACS-9571 (ASIS-P040)

Cat. No.: GC33042

**Chemical Properties**

Cas. No. 1800477-30-8

SMILES O=S(C1=CC=C(OC)C(OC)=C1)(NC2=C(OC3=CC(OCCC)=CC(OCCCCN(C)C)=C3)C=C(N4C)C(N(C)C4=O)=C2)=OFormula  $C_{32}H_{42}N_4O_8S$  M.Wt 642.76

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

IACS-9571 is a potent and selective inhibitor of TRIM24 and BRPF1, with IC<sub>50</sub> of 8 nM for TRIM24, and K<sub>d</sub>s of 31 nM and 14 nM for TRIM24 and BRPF1, respectively.

IACS-9571 shows excellent cellular potency with EC<sub>50</sub> of 50 nM. IACS-9571 (1 μM) has potent activities against a panel of 32 bromodomains. IACS-9571 is a selective dual TRIM24/BRPF1 inhibitor (K<sub>d</sub> = 1.3/2.1 nM) with 9- and 21-fold selectivity against BRPF2 and BRPF3, respectively. IACS-9571 does not interact with the BET sub-family of bromodomains, displaying greater than 7,700-fold selectivity versus BRD4(1, 2) relative to TRIM24[1].

[1]. Palmer WS, et al. Structure-Guided Design of IACS-9571, a Selective High-Affinity Dual TRIM24-BRPF1 Bromodomain Inhibitor. J Med Chem. 2016 Feb 25;59(4):1440-54.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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