
Product Data Sheet

Product Name: IACS-9571 Hydrochloride (ASIS-P040 Hydrochloride)

Cat. No.: GC34437

Chemical Properties

Cas. No.

SMILES [H]Cl.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)=O

Formula C32H43ClN4O8S M.Wt 679.22

Solubility DMSO : 125 mg/mL (184.03 mM); Water : 10 mg/mL (14.72 mM) 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 Hydrochloride is a potent and selective inhibitor of TRIM24 and BRPF1, with an IC50 of 8 nM for TRIM24, and Kds of 31 nM and 14 nM for TRIM24 and BRPF1, respectively.

IACS-9571 Hydrochloride shows excellent cellular potency with EC50 of 50 nM. IACS-9571 Hydrochloride (1 μM) has potent activities against a panel of 32 bromodomains. IACS-9571 Hydrochloride is a selective dual TRIM24/BRPF1 inhibitor (Kd=1.3/2.1 nM) with 9- and 21-fold selectivity against BRPF2 and BRPF3, respectively. IACS-9571 Hydrochloride does not interact with the BET sub-family of bromodomains, displaying greater than 7700-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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
