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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	IDE397
Cat. No.	:	PC-21894
CAS No.	:	2439277-80-0
Molecular Formula	:	$C_{14}H_8ClF_3N_4O$
Molecular Weight	:	340.69
Target	:	Other Targets
Solubility	:	10 mM in DMSO

Biological Activity

IDE397 (GSK4362676, GSK-676, IDE397) is a potent, selective small molecule methionine adenosyltransferase 2a (**MAT2A**) inhibitor, displays broad anti-tumor activity across a panel of MTAP-deleted patient-derived xenografts.
IDE397 produces a dose- and time-dependent modulation of the proximal and distal PD biomarkers SAM and symmetrically di-methylates arginine (SDMA) in HCT116 MTAP-deleted CDX model.
HCT116 MTAP-deleted CDX model is more sensitive to IDE397 compared to the HCT116 MTAP-WT model.
IDE397 displays broad anti-tumor activity across a panel of MTAP-deleted patient-derived xenografts. exhibits anti-tumor activity as a single agent in MTAP-deleted CDX models and in MTAP-deleted PDX models of NSCLC, pancreatic, bladder, head and neck, esophageal and gastric cancer.

References

Marcus M. Fischer, et al. ***Cancer Res*** (2021) 81 (13_Supplement): 1278.

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