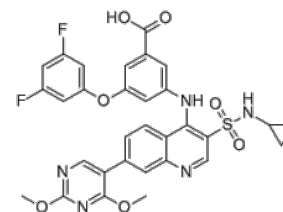


Product Name : GSK 2837808A
Cat. No. : PC-61222
CAS No. : 1445879-21-9
Molecular Formula : C₃₁H₂₅F₂N₅O₇S
Molecular Weight : 649.626
Target : Lactate Dehydrogenase (LDH)
Solubility : 10 mM in DMSO



Biological Activity

GSK 2837808A is a potent, specific, NADH-competitive **lactate dehydrogenase-A (LDH-A)** inhibitor with IC₅₀ of 2.6 nM, >10-fold selectivity over LDHB.

GSK 2837808A rapidly and profoundly inhibits lactate production rates in multiple cancer cell lines (EC₅₀=0.4 μM in Snu398 cells) including hepatocellular and breast carcinomas.

GSK 2837808A reduces glucose uptake and increases mitochondrial oxygen consumption, dose dependently inhibits proliferation and induces apoptosis in Snu398 cells.

References

Xie H, et al. *Cell Metab.* 2014 May 6;19(5):795-809.

Billiard J, et al. *Cancer Metab.* 2013 Sep 6;1(1):19.

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

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