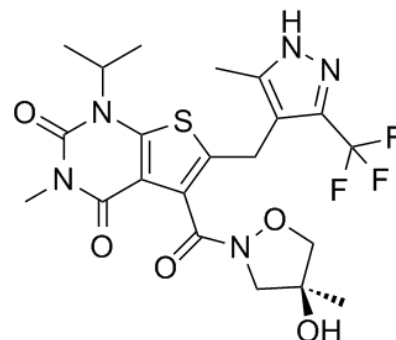


Product Name : AZD3965
Cat. No. : PC-43178
CAS No. : 1448671-31-5
Molecular Formula : C₂₁H₂₄F₃N₅O₅S
Molecular Weight : 515.506
Target : Monocarboxylate Transporter (MCT)
Solubility : DMSO: ≥ 36 mg/mL



Biological Activity

AZD3965 is a potent, selective, orally bioavailable monocarboxylate transporter 1 (MCT1) inhibitor with binding IC₅₀ of 1.6 nM, displays 6-fold selectivity over MCT2 and does not inhibit MCT3 or MCT4; inhibits both lactate efflux and influx into cells and causes an increase in glycolysis and an upregulation of glycolytic enzymes in SCLC and gastric cancer cell lines; reduces tumor growth and increases intratumor lactate in vivo, enhances radiosensitivity by reducing lactate transport. Solid Tumors Phase 1 Clinical

References

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Bola BM, et al. Mol Cancer Ther. 2014 Dec;13(12):2805-16.
Hong CS, et al. Cell Rep. 2016 Feb 23;14(7):1590-1601.
Belouèche-Babari M, et al. Cancer Res. 2017 Nov 1;77(21):5913-5924.

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

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