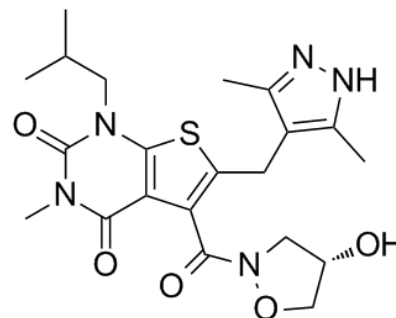


Product Name : AR-C155858
Cat. No. : PC-43427
CAS No. : 496791-37-8
Molecular Formula : C₂₁H₂₇N₅O₅S
Molecular Weight : 461.5346
Target : Monocarboxylate Transporter (MCT)
Solubility : 10 mM in DMSO



Biological Activity

AR-C155858 is a potent monocarboxylate transporter MCT1 and MCT2 with K_i of 2.3 nM and <10 nM, displays no activity at MCT4; inhibits glycolysis and glutathione synthesis, inhibits tumor cell proliferation; suppresses lactate export, glycolysis, and tumor growth by blocking MCT1/2 in Ras-transformed fibroblasts.

References

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Ovens MJ, et al. *Biochem J.* 2010 Oct 15;431(2):217-25.
Le Floch R, et al. *Proc Natl Acad Sci U S A.* 2011 Oct 4;108(40):16663-8.
Doherty JR, et al. *Cancer Res.* 2014 Feb 1;74(3):908-20.

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

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