



Product Information

Monocarboxylate transporters (MCT) inhibitor AR-C155858, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ319

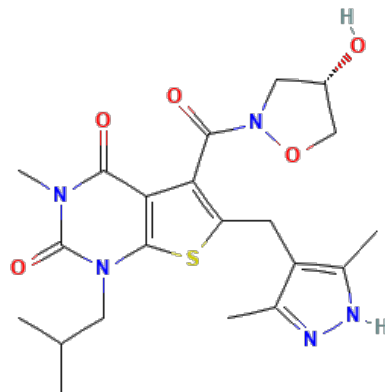
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 496791-37-8

Compound CID: 10226546

Synonym: 496791-37-8; Monocarboxylate transporters (MCT) inhibitor; AR-C 155858

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AR-C155858 hinders the transport of lactate and other monocarboxylates across cell membranes, which is crucial for altering metabolic activities in various diseases, including cancer.
Molecular Weight	461.5
Molecular Formula	C ₂₁ H ₂₇ N ₅ O ₅ S
IUPAC Name	6-[(3,5-Dimethyl-1H-pyrazol-4-yl)methyl]-5-[(4S)-4-hydroxy-1,2-oxazolidine-2-carbonyl]-3-methyl-1-(2-methylpropyl)thieno[2,3-d]pyrimidine-2,4-dione
InChI	InChI=1S/C21H27N5O5S/c1-10(2)7-25-20-17(18(28)24(5)21(25)30)16(19(29)26-8-13(27)9-31-26)15(32-20)6-14-11(3)22-23-12(14)4/h10,13,27H,6-9H2,1-5H3,(H,22,23)/t13-m/s1
InChI Key	ISIVJWVBJIOFM-ZDUSSCGKSA-N
Canonical SMILES	CC1=C(C(=NN1)C)CC2=C(C3=C(S2)N(C(=O)N(C3=O)C)CC(C)C)C(=O)N4CC(CO4)O
Isomeric SMILES	CC1=C(C(=NN1)C)CC2=C(C3=C(S2)N(C(=O)N(C3=O)C)CC(C)C)C(=O)N4C[C@@H](CO4)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	AR-C155858 is a monocarboxylate transporter (MCT) inhibitor used in cancer research to study lactate transport and metabolism in tumor cells.



Storage

Store at -20°C, and keep desiccated.
