CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Monocarboxylate transporters (MCT) inhibitor AZD-3965, Purity ≥98%

Cat. No.: X24-07-ZQ426

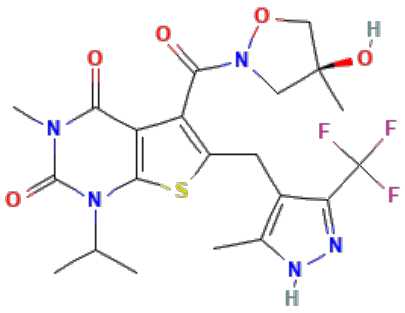
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1448671-31-5

Compound CID: 10369242

Synonym: 1448671-31-5; Monocarboxylate transporters (MCT) inhibitor; AZD3965;AZD 3965

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



Product Information

Description	AZD-3965, soluble in DMSO and ethanol and insoluble in water, hinders the transport of lactate and other monocarboxylates across cell membranes, which is crucial for altering metabolic activities in various diseases, including cancer. It targets MCT1.
Molecular Weight	515.5
Molecular Formula	$C_{21}H_{24}F_3N_5O_5S$
Targets	MCT1
IUPAC Name	5-[(4*S*)-4-hydro xy-4-methyl-1,2-o xazolidine-2-carbonyl]-3-methyl-6-[[5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl]methyl]-1-propan-2-ylthieno[2,3-d]pyrimidine-2,4-dione
InChI	InChI=1S/C21H24F3N5O5S/c1-9(2)29-18-14(16(30)27(5)19(29)32)13(17(31)28-7-20(4,33)8-34-28)12(35-18)6-11-10(3)25-26-15(11)21(22,23)24/h9,33H,6-8H2,1-5H3,(H,25,26)/t20-/m0/s1
InChI Key	PRNXOFBDXNTIFG-FQEVSTJZSA-N
Canonical SMILES	CC1=C(C(=NN1)C(F)(F)F)CC2=C(C3=C(S2)N(C(=O)N(C3=O)C)C(C)C)C(=O)N4CC(CO4)(C)O
Isomeric SMILES	CC1=C(C(=NN1)C(F)(F)F)CC2=C(C3=C(S2)N(C(=O)N(C3=O)C)C(C)C)C(=O)N4C[C@](CO4)(C)O
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 96 mg/mL (186.22 mM); Water: Insoluble; Ethanol: 96 mg/mL (186.22 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

	powder.
Quality Level	Research grade
Applications	AZD-3965 is an MCT inhibitor involved in cancer metabolism research, inhibiting lactate transport.
Storage	Store at -20ºC, and keep desiccated.