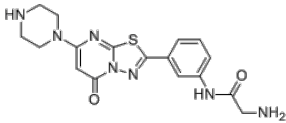


Product Name	: ML165	
Synonyms	: RUC-2; ML 165	
Cat No.	: M11454	
CAS Number	: 1355454-05-5	
Molecular Formula	: C17H19N7O2S	
Formula Weight	: 385.45	
Chemical Name	2-amino-N-(3-(5-oxo-7-(piperazin-1-yl)-5H-[1,3,4]thiadiazolo[3,2-a]pyrimidin-2-yl)phenyl)acetamide	
Description	A high-affinity, selective platelet integrin $\alpha IIb\beta 3$ receptor antagonist with IC ₅₀ of 96 nM; specifically inhibits ligand binding by a novel mechanism, leading to loss of the MIDAS metal ion while producing only minor changes in the conformation of $\beta 3$.	
Pathway	Cell Cycle/DNA Damage	
Target	Integrin	
Receptor	Integrin	
Solubility	—	
SMILES	<chem>CC(C1=CC=C(C=C1)F)NC2=CC(=CC(=N2)NC3=NC=CN=C3)C4=CN(N=C4)C.C(=CC(=O)O)C(=O)O</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference	:	

1. Zhu J, et al. Sci Transl Med. 2012 Mar 14;4(125):125ra32. | 2. Jiang JK, et al. Bioorg Med Chem Lett. 2014 Feb 15;24(4):1148-53.