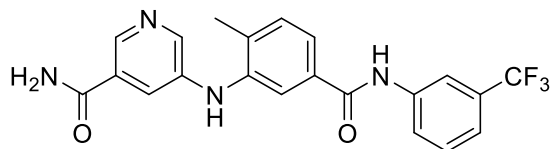


ALW-II-49-7



Chemical Formula: C₂₁H₁₇F₃N₄O₂

Molecular Weight: 414.39

Category	Parameter	Description
Compound	Name	ALW-II-49-7
	Citation	<i>ACS Chem. Biol.</i> , 2015, 10 (12), pp 2687–2696
	Chemical descriptors	CC1=CC=C(C=C1NC1=CN=CC(=C1)C(N)=O)C(=O)NC1=CC=CC(=C1)C(F)(F)F
	Chemical name	5-[(2-methyl-5-[(3-(trifluoromethyl)phenyl]carbamoyl)phenyl]amino]pyridine-3-carboxamide
	Entries in chemical databases	CAS# 1135219-23-6
	Availability	
	Papers that use the compounds	Bioorganic & Medicinal Chemistry Letters (2009), 19(15), 4467-4470
<i>In vitro</i> profiling	Primary target (potency)	DDR2 (IC ₅₀ of 18.6 nM), DDR1 (IC ₅₀ of 12.4 nM)
	Other Target (potency)	RAF1 (IC ₅₀ of 22 nM), LYN (IC ₅₀ of 257 nM)
	Selectivity	KinomeScan S-Score(5)=0.05. See reference paper for detail.
	Potential reactivity	
	SAR	
Cellular profiling	Mechanism of inhibition	Type II
	Structure of target-probe complex	
	Validation of cellular target Validation of cellular specificity	Antiproliferative activity against DDR2-mutated lung cancer cell lines: NCI-H2286 (GI ₅₀ of 36 μM), HCC-366 (GI ₅₀ of 11 μM),
Pharmacodynamics		
Pharmacokinetics		

