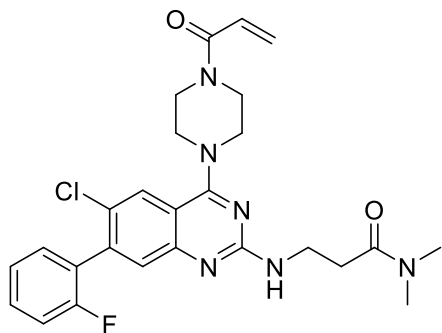


FRF-01-116Chemical Formula: C₂₆H₂₈ClFN₆O₂

Molecular Weight: 511.00

Category	Parameter	Description
Compound	Name	FRF-01-116 (1_AM in Cell Chem Biol paper)
	Citation	Cell Chem Biol. 2017; 24 (8): 1005-1016
	Chemical descriptors	C1C1=C(C2=CC=CC=C2F)C=C(N=C(NCCC(N(C)C)=O)N=C3N4CCN(C(C=C)O)CC4)C3=C1
	Chemical name	3-((4-(4-acryloylpiperazin-1-yl)-6-chloro-7-(2-fluorophenyl)quinazolin-2-yl)amino)-N,N-dimethylpropanamide
	Entries in chemical databases	PMID:28781124
	Availability	no commercial source
<i>In vitro</i> profiling	Target (potency)	-
	Selectivity	-
	Potential reactivity	Cysteine reactive
	SAR	
	Mechanism of inhibition	Irreversible
Cellular profiling	Structure of target-probe complex	5V9L
	Validation of cellular target	Covalent labeling of K-Ras (by Western blot), and inhibition of pERK
	Validation of cellular specificity	No effects on non-G12C K-Ras cell lines (WT and other mutants)
Pharmacodynamics		
Pharmacokinetics		

Synthetic scheme

