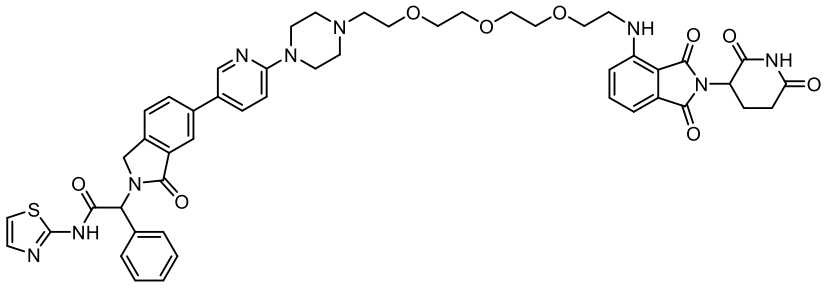
DDC-01-163



Chemical Formula: $C_{49}H_{51}N_9O_9S$
Molecular Weight: 942.06

Category	Parameter	Description
Compound	Name	DDC-01-163
	Citation	*Angewandte Chemie Int. Ed*. **2020**, *59*, 14481-4489 https://doi.org/10.1002/anie.202003500
	Chemical descriptors	O=C(NC1=NC=CS1)C(N2C(C(C=C(C3=CC=C(N4CCN(CCOCCOCCOCCNC5=C6C(C(N(C7CCC(NC7=O)=O)C6=O)=O)=CC=C5)CC4)N=C3)C=C8)=C8C2)=O)C9=CC=CC=C9
	Chemical name	2-(6-(6-(4-(2-(2-(2-(2-((2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisoindolin-4-yl)amino)ethoxy)ethoxy)ethoxy)ethyl)piperazin-1-yl)pyridin-3-yl)-1-oxoisoindolin-2-yl)-2-phenyl-*N*-(thiazol-2-yl)acetamide
	Entries in chemical databases	N/A
	Availability	N/A
	Papers that use the compounds	https://pubmed.ncbi.nlm.nih.gov/32510788/
	Additional comments	
In vitro profiling	Target (potency)	EGFR L858R/T790M (IC_{50} = 45 nM)
	Target (potency)	N/A
	Selectivity	N/A
	Potential reactivity	Pomalidomide motif
	SAR	Described in this paper
	Mechanism of inhibition	Proteasomal degradation
	Structure of target-probe complex	N/A
	Additional comments	
Cellular profiling	Validation of cellular target	Using EGFR-dependent Ba/F3 cells
	Validation of cellular specificity	N/A
	Additional comments	
Pharmacodynamics	N/A	
Pharmacokinetics	N/A	

Synthetic scheme