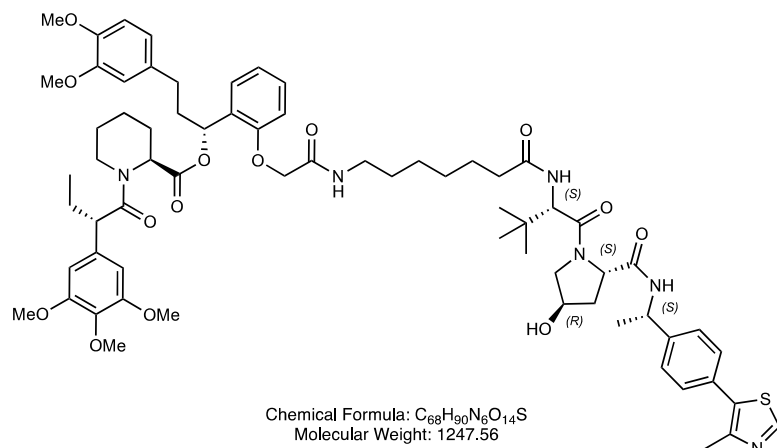


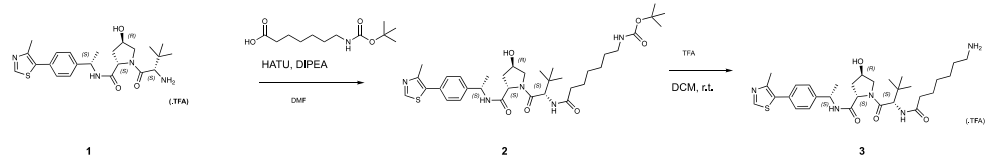
dTAGv-1

Category	Parameter	Description
Compound	Name	dTAGv-1
	Citation	Nat Commun, 2020, 11(1), 4687.
	Chemical descriptors	<chem>O=C([C@@H]1CCCCN1C([C@@H](CC)C2=CC(OC)=C(OC)C(OC)=C2)=O)O[C@H](CCC3=CC=C(OC)C(OC)=C3)C4=C(OCC(NCCCCCCC(N[C@@H](C(C)C)C)C(N5C[C@H](O)C[C@H]5C(N[C@@H](C)C6=CC=C(C7=C(C)N=CS7)C=C6)=O)=O)C=CC=C4</chem>
	Chemical name	(R)-3-(3,4-dimethoxyphenyl)-1-(2-(2-(((S)-1-((2S,4R)-4-hydroxy-2-(((S)-1-(4-(4-methylthiazol-5-yl)phenyl)ethyl)carbamoyl)pyrrolidin-1-yl)-3,3-dimethyl-1-oxobutan-2-yl)amino)-7-oxoheptyl)amino)-2-oxoethoxy)phenyl)propyl (S)-1-(((S)-2-(3,4,5-trimethoxyphenyl)butanoyl)piperidin-2-carboxylate
	Entries in chemical databases	
	Availability	Tocris BioTech (pending publication)
	Papers that use the compounds	Nat Genet. 2020 Jul;52(7):719-727. doi: 10.1038/s41588-020-0635-0. Epub 2020 Jun 1. PMID: 32483291
<i>In vitro</i> profiling	Additional comments	Negative control dTAGv-NEG is also available
	Target (potency)	FKBP ^{F36V} -tagged fusion chimeras. Sub 1 μM, context-dependent
	Target (potency)	n/a, selective
	Selectivity	No off-targets detected
	Potential reactivity	n/a
	SAR	Carbon linkers favourable over PEG
	Mechanism of inhibition	Targeted proteins degradation
	Structure of target-probe complex	n/a
Cellular profiling	Additional comments	
	Validation of cellular target	Western blot
	Validation of cellular specificity	Mass-spectrometry based global proteomics analysis
Pharmacodynamics	Additional comments	
		n/a

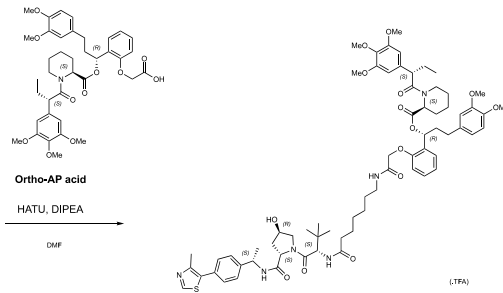
C57BL/6J male mice

Pharmacokinetics

Parameter	Unit	dTAG-13		dTAG ^V -1		
		IV	IP	IV	IP	IP
Dose	mg kg ⁻¹	2	10	2	2	10
T _{max}	hr	0.08	2.00	0.08	1.67	2.00
T _{1/2}	hr	1.46	2.41	3.02	3.64	4.43
C _{max}	ng mL ⁻¹	2373	1263	7780	595	2123
AUC _{last}	hr*ng mL ⁻¹	1242	5619	3245	2245	18088
AUC _{inf}	hr*ng mL ⁻¹	1253	6140	3329	3136	18517
CL	ml min ⁻¹ kg ⁻¹	32.5	28	10.1	10.7	9.05
V _{ss}	L kg ⁻¹	1.8	-	0.56	-	-
F ^b	%	-	-	-	-	-



Synthetic scheme



dTAG^V-1