

**Product Name:** dTAG<sup>V</sup>-1

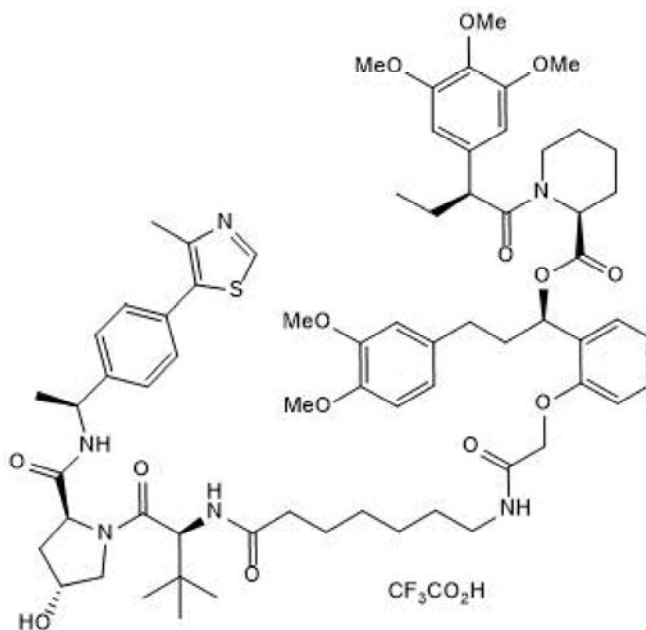
**Catalog No.:** 6914

**Batch No.:** 2

**IUPAC Name:** (R)-3-(3,4-Dimethoxyphenyl)-1-(2-(2-((7-(((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)piperidine-2-carboxylate trifluoroacetate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>68</sub>H<sub>90</sub>N<sub>6</sub>O<sub>14</sub>S CF<sub>3</sub>CO<sub>2</sub>H  
**Batch Molecular Weight:** 1361.58  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.5% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	61.75	6.74	6.17
Found	61.42	6.72	6.12

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**Description:**

Degrader targeting mutant FKBP12<sup>F36V</sup> fusion proteins. Comprises a ligand selective for F36V single-point mutated FKBP12, a linker and a von Hippel-Lindau (VHL)-binding ligand. Induces potent and selective degradation of FKBP12<sup>F36V</sup> fusion proteins in vitro and in vivo. Selectively degrades FKBP12<sup>F36V</sup>-EWS/FLI fusion proteins and inhibits cell proliferation in FKBP12<sup>F36V</sup>-EWS/FLI-expressing Ewing sarcoma cells. Hydrochloride salt (Cat.No. 7374) available; suitable for in vivo use. Negative control dTAG<sup>V</sup>-1-NEG (Cat. No. 6915) also available. FKBP12<sup>F36V</sup> can be expressed as a fusion with a target protein of interest using genome engineerin... Please see product datasheet on www.tocris.com for full description.

**Physical and Chemical Properties:**

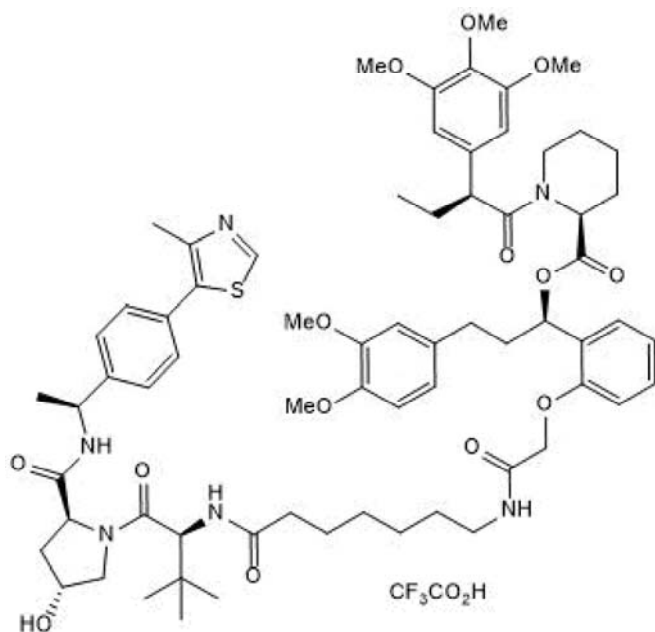
Batch Molecular Formula: C<sub>68</sub>H<sub>90</sub>N<sub>6</sub>O<sub>14</sub>S CF<sub>3</sub>CO<sub>2</sub>H

Batch Molecular Weight: 1361.58

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**

Sold under license from Dana-Farber Cancer Institute

**References:**

**Nabet et al** (2020) Rapid and direct control of target protein levels with VHL-recruiting dTAG molecules. *Nat. Commun.* **11** 4687. PMID: 32948771.

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