

Product Name: dTAG^V-1 hydrochloride

Catalog No.: 7374

Batch No.: 1

CAS Number: 2624313-16-0

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 hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆₈H₉₀N₆O₁₄S.HCl.H₂O

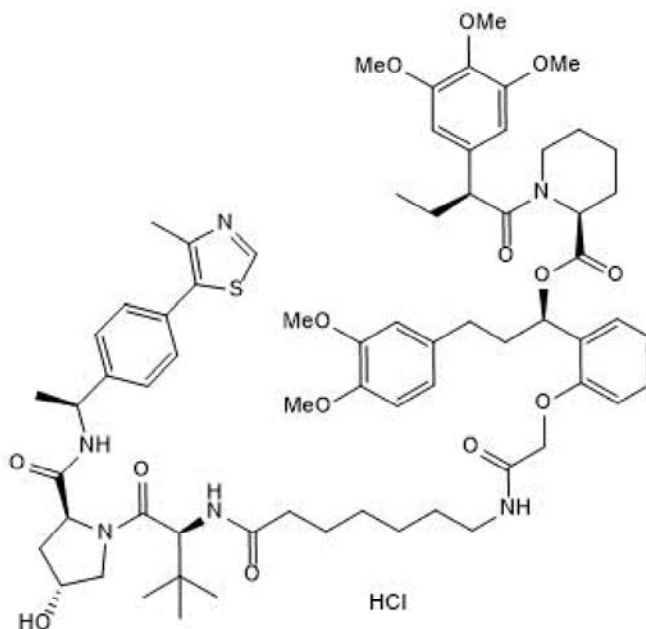
Batch Molecular Weight: 1302.03

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.0% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	62.73	7.2	6.45	2.72
Found	63.33	7.32	6.39	1.6

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

dTAG^V-1 hydrochloride is a hydrochloride salt of dTAG^V-1 (Cat. No. 6914). Suitable for use in vivo. Following ip administration of 10 mg/kg in mice: T_{1/2} = 4.43 h; C_{max} = 2123 ng mL⁻¹; AUC_{inf} = 18517 hr*ng mL⁻¹ and CL = 9.05 mL min⁻¹ kg⁻¹. Negative control dTAG^V-1-NEG (Cat. No. 6915) also available. Important: It is recommended that DMSO stock solutions of this compound are made and used on the same day and are not subjected to freeze/thaw.

Physical and Chemical Properties:

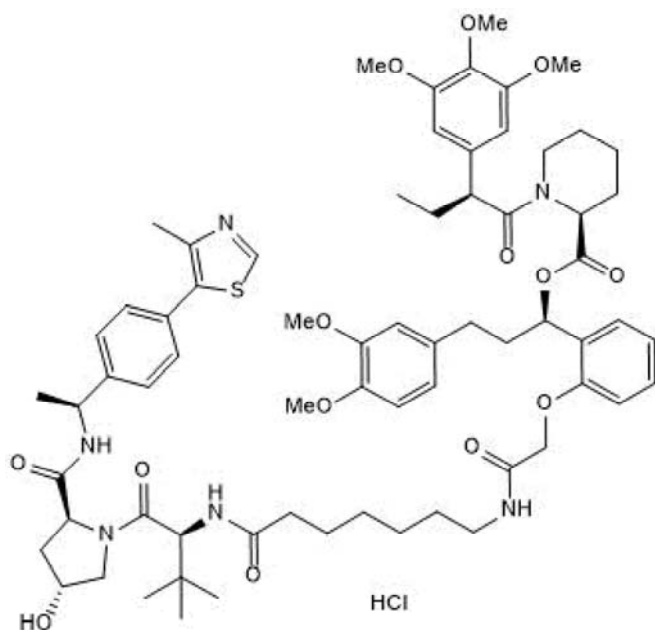
Batch Molecular Formula: C₆₈H₉₀N₆O₁₄S.HCl.H₂O

Batch Molecular Weight: 1302.03

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

It is recommended that DMSO stock solutions of this compound are made and used on the same day and are not subjected to freeze/thaw.

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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