

**Product Name:** VHF 543, amine

**Catalog No.:** 8075

**Batch No.:** 1

CAS Number: 3053860-67-3

IUPAC Name: 1-(4-(4-((2-Aminoethyl)amino)-2-(1-(4-chlorophenyl)cyclohexyl)quinazolin-7-yl)piperazin-1-yl)ethan-1-one

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>28</sub>H<sub>35</sub>ClN<sub>6</sub>O.1¼H<sub>2</sub>O

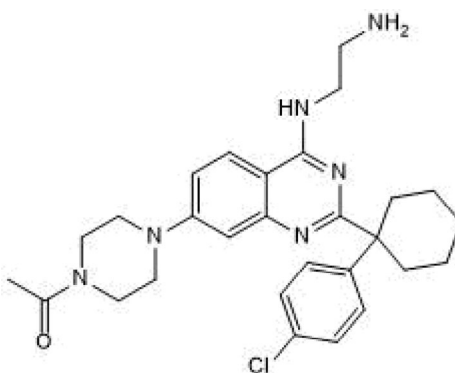
**Batch Molecular Weight:** 529.6

**Physical Appearance:** White solid

**Solubility:** DMSO to 20 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.6% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	63.5	7.14	15.87
Found	62.81	6.78	15.51

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**Description:**

VHF 543, amine is a potent ligand for the WD40 repeat domain (WDR) of DCAF1 (K<sub>d</sub> = 31 nM measured by surface plasmon resonance). VHF 543, amine is supplied with a primary amine functional handle, for ready conjugation to a linker/target protein ligand. Please contact us for SD files of our available Degradation Building Blocks. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

**Physical and Chemical Properties:**

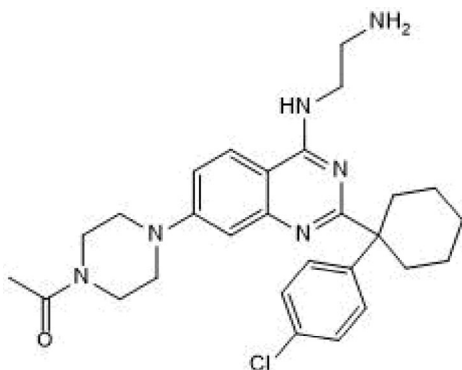
Batch Molecular Formula: C<sub>28</sub>H<sub>35</sub>ClN<sub>6</sub>O.1¼H<sub>2</sub>O

Batch Molecular Weight: 529.6

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 20 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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.

**References:**

Vulpetti *et al* (2023) Discovery of new binders for DCAF1, an emerging ligase target in the targeted protein degradation field. ACS Med.Chem.Lett. **14** 949. PMID: 37465299.

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