

**Product Name:** CST 967

**Catalog No.:** 7801

**Batch No.:** 1

**IUPAC Name:** 3-(1-(1-(2-(2,6-Dioxopiperidin-3-yl)-1,3-dioxoisindolin-5-yl)piperidine-4-carbonyl)piperidin-4-yl)-N-(3-((4-hydroxy-1-((R)-3-phenylbutanoyl)piperidin-4-yl)methyl)-4-oxo-3,4-dihydroquinazolin-7-yl)propanamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>51</sub>H<sub>58</sub>N<sub>8</sub>O<sub>9</sub> · 1¼H<sub>2</sub>O

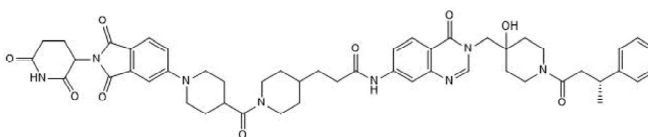
**Batch Molecular Weight:** 958.59

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 96.6% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	63.9	6.47	11.69
Found	63.08	6.39	11.3

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

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**Description:**

CST 967 is a potent and selective ubiquitin specific protease 7 (USP7) Degradar (PROTAC®; D<sub>max</sub> = 85% at 1µM, DC<sub>50</sub> = 17 nM). PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

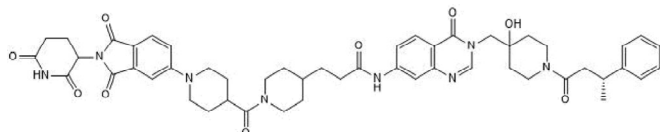
Batch Molecular Formula: C<sub>51</sub>H<sub>58</sub>N<sub>8</sub>O<sub>9</sub>.1¾H<sub>2</sub>O

Batch Molecular Weight: 958.59

Physical Appearance: Yellow solid

**Minimum Purity:** ≥96%

**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. \*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:**

Murgai *et al* (2022) Targeting the deubiquitinase USP7 for degradation with PROTACs. *Chem.Commun.* **58** 8858. PMID: 35852517.

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