

**Product Name:** HER2 PROTAC<sup>®</sup> CH7C4

**Catalog No.:** 7886

**Batch No.:** 1

**CAS Number:** 2897640-93-4

**IUPAC Name:** 5-((7-(4-(3-((4-((4-[1,2,4]Triazolo[1,5-a]pyridin-7-yloxy)-3-methylphenyl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperazin-1-yl)heptyl)amino)-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>49</sub>H<sub>55</sub>N<sub>11</sub>O<sub>7</sub>·1½H<sub>2</sub>O

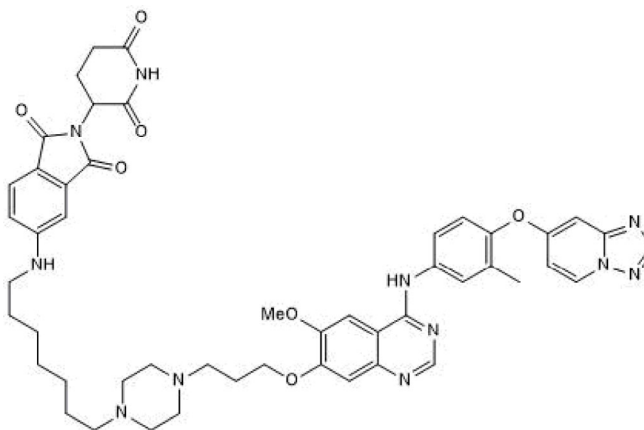
**Batch Molecular Weight:** 937.07

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98.0% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.81	6.24	16.44
Found	61.82	6.16	16.1

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

**Product Name:** HER2 PROTAC<sup>®</sup> CH7C4

**Catalog No.:** 7886

**1**

CAS Number: 2897640-93-4

IUPAC Name: 5-((7-(4-(3-((4-((4-([1,2,4]Triazolo[1,5-a]pyridin-7-yloxy)-3-methylphenyl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperazin-1-yl)heptyl)amino)-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione

**Description:**

HER2 PROTAC<sup>®</sup> CH7C4 is a potent and selective HER2 (also called ErbB-2) targeting Degradator (PROTAC<sup>®</sup>) (DC<sub>50</sub> = 69 nM; D<sub>max</sub> = 96%). Inhibits BT-474 cell proliferation (IC<sub>50</sub> = 47 nM) and xenograft growth. Comprises a Tucatinib (Cat. No. 7640) analog, joined by a linker to a CRBN E3 ligase ligand. PROTAC<sup>®</sup> is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

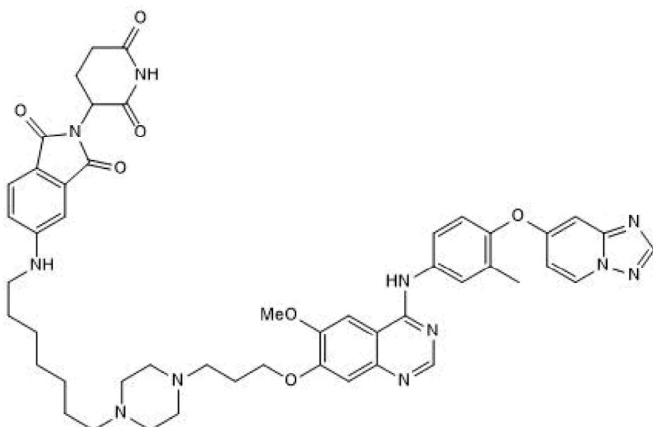
Batch Molecular Formula: C<sub>49</sub>H<sub>55</sub>N<sub>11</sub>O<sub>7</sub> · 1½H<sub>2</sub>O

Batch Molecular Weight: 937.07

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

Hu *et al* (2022) Discovery of potent and selective HER2 PROTAC degrader based Tucatinib with improved efficacy against HER2 positive cancers. *Eur.J.Med.Chem.* **244** 114775. PMID: 36208507.

**Storage:** Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**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.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956