

**Product Name:** ARCC 4 negative control

**Catalog No.:** 7255

**Batch No.:** 1

CAS Number: 2156588-26-8

IUPAC Name: (2S,4S)-1-((S)-2-(2-(4-((4'-(3-(4-Cyano-3-(trifluoromethyl)phenyl)-5,5-dimethyl-4-oxo-2-thioxoimidazolidin-1-yl)-[1,1'-biphenyl]-4-yl)oxy)butoxy)acetamido)-3,3-dimethylbutanoyl)-4-hydroxy-N-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>53</sub>H<sub>56</sub>F<sub>3</sub>N<sub>7</sub>O<sub>7</sub>S<sub>2</sub>·¾H<sub>2</sub>O

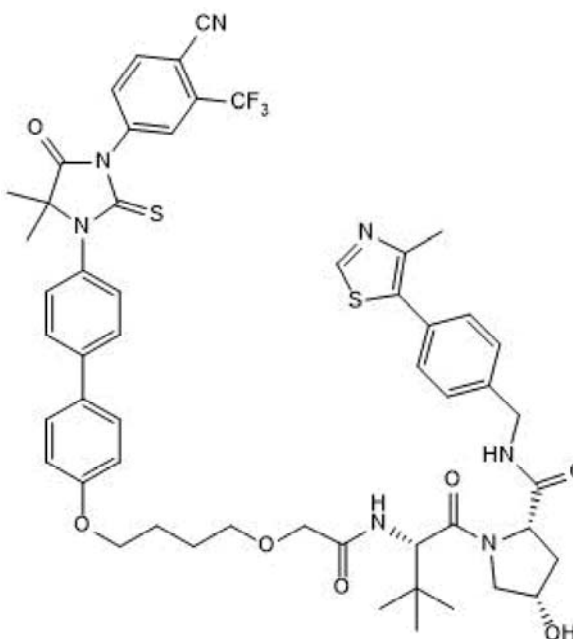
**Batch Molecular Weight:** 1037.69

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.6% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

|             | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 61.35  | 5.58     | 9.45     |
| Found       | 61.11  | 5.51     | 9.42     |

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

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**Description:**

Negative control for ARCC 4 (Cat. No. 7254). Binds androgen receptors (AR) without inducing degradation.

**Physical and Chemical Properties:**

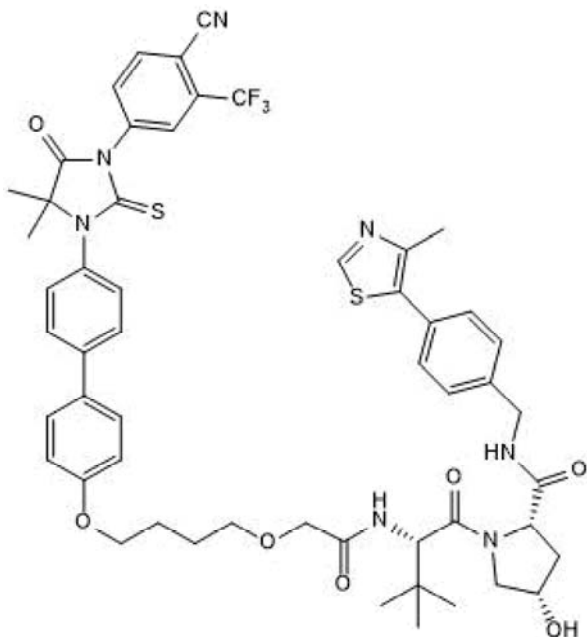
Batch Molecular Formula: C<sub>53</sub>H<sub>56</sub>F<sub>3</sub>N<sub>7</sub>O<sub>7</sub>S<sub>2</sub>·¾H<sub>2</sub>O

Batch Molecular Weight: 1037.69

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.

**References:**

Salami *et al* (2018) Androgen receptor degradation by the proteolysis-targeting chimera ARCC-4 outperforms enzalutamide in cellular models of prostate cancer drug resistance. *Commun.Biol.* **1** 100. PMID: 30271980.

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