

**Product Name:** GMB 475

**Catalog No.:** 7265

**Batch No.:** 1

CAS Number: 2490599-18-1

IUPAC Name: (2*S*,4*R*)-1-((*S*)-3,3-Dimethyl-2-(2-(2-(4-(6-((4-(trifluoromethoxy)phenyl)amino)pyrimidin-4-yl)phenoxy)ethoxy)acetamido)butanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>43</sub>H<sub>46</sub>F<sub>3</sub>N<sub>7</sub>O<sub>7</sub>S · 1½H<sub>2</sub>O

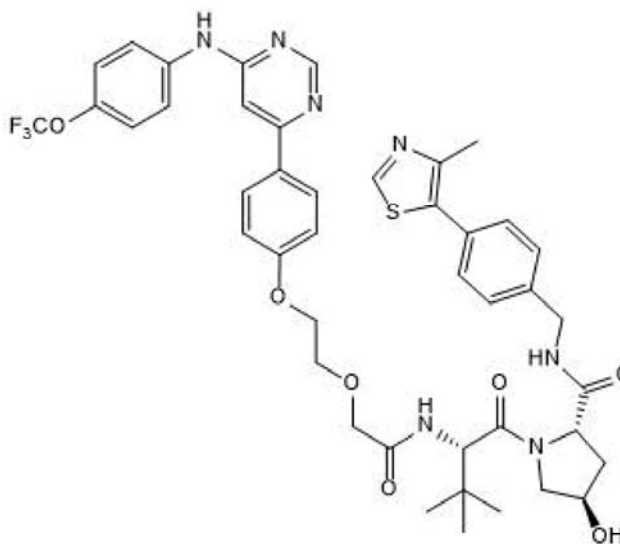
**Batch Molecular Weight:** 888.96

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 98.5% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	58.1	5.56	11.03
Found	57.86	5.51	10.98

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

**Product Name:** GMB 475

**Catalog No.:** 7265

**Batch No.:** 1

CAS Number: 2490599-18-1

IUPAC Name: (2*S*,4*R*)-1-((*S*)-3,3-Dimethyl-2-(2-(4-(6-((4-(trifluoromethoxy)phenyl)amino)pyrimidin-4-yl)phenoxy)ethoxy)acetamido)butanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

**Description:**

BCR-ABL1 kinase PROTAC® Degradator. Induces degradation of BCR-ABL1 and cABL1, inhibits downstream STAT5 signaling and suppresses cell proliferation in chronic myeloid leukemia cells lines. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

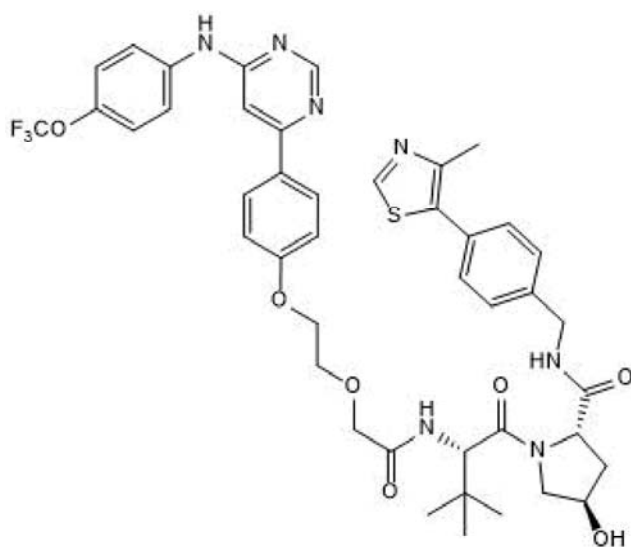
Batch Molecular Formula: C<sub>43</sub>H<sub>46</sub>F<sub>3</sub>N<sub>7</sub>O<sub>7</sub>S.1½H<sub>2</sub>O

Batch Molecular Weight: 888.96

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:**

**Burslem et al** (2019) Targeting BCR-ABL1 in chronic myeloid leukemia by PROTAC-mediated targeted protein degradation. *Cancer Res* **79** 4744. PMID: 31311809.

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