

Product Name: Chem-CLIP control probe

Catalog No.: 7769

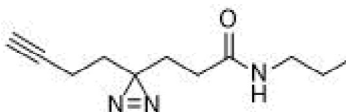
Batch No.: 1

CAS Number: 2767983-73-1

IUPAC Name: 3-(3-Butyn-1-yl)-N-propyl-3H-diazirine-3-propanamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C <sub>11</sub> H <sub>17</sub> N <sub>3</sub> O
Batch Molecular Weight:	207.28
Physical Appearance:	Yellow oil
Solubility:	DMSO to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



## 2. ANALYTICAL DATA

HPLC:	Shows 97.7% purity
<sup>1</sup> H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

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

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**1**

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IUPAC Name: 3-(3-Butyn-1-yl)-N-propyl-3H-diazirine-3-propanamide

**Description:**

Chem-CLIP (chemical cross-linking and isolation by pull-down) control probe is a control probe for Chem-CLIP experiments.

**Physical and Chemical Properties:**

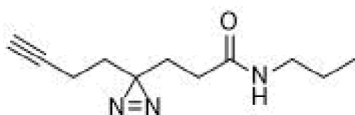
Batch Molecular Formula: C<sub>11</sub>H<sub>17</sub>N<sub>3</sub>O

Batch Molecular Weight: 207.28

Physical Appearance: Yellow oil

**Minimum Purity:** ≥95%

**Batch Molecular Structure:**



**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

This product is supplied as a lyophilized oil and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

**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:**

**Tong et al** (2023) Transcriptome-wide mapping of small-molecule RNA-binding sites in cells informs an isoform-specific degrader of QSOX1 mRNA. *J.Am.Chem.Soc.* **145** 9364. PMID: 37058601 .

**Bush et al** (2021) Ribonuclease recruitment using a small molecule reduced c9ALS/FTD r(G4C2) repeat expansion *in vitro* and *in vivo* ALS models. *Sci.Transl.Med.* **13** eabd5991. PMID: 34705518.

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