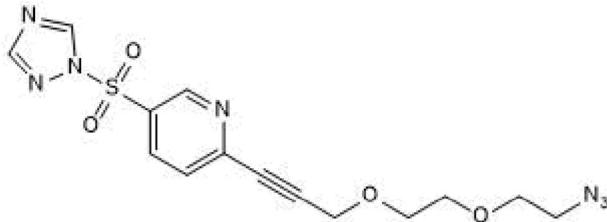


Certificate of Analysiswww.tocris.com**Product Name:** AzP3S**Catalog No.:** 7975**Batch No.:** 1IUPAC Name: 5-((1*H*-1,2,4-Triazol-1-yl)sulfonyl)-2-(3-(2-(2-azidoethoxy)ethoxy)prop-1-yn-1-yl)pyridine**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₄H₁₅N₇O₄S**Batch Molecular Weight:** 377.38**Physical Appearance:** Off White solid**Solubility:** DMSO to 100 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 98.4% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 44.56 4.01 25.98

Found 44.53 4.03 25.6

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

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Product Information

www.tocris.com**Product Name:** AzP3S**Catalog No.:** 7975

1

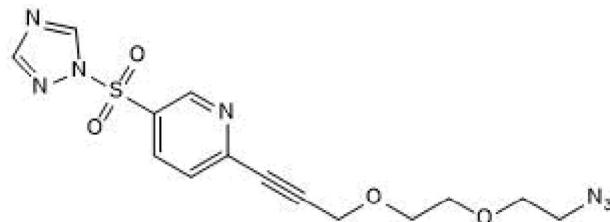
IUPAC Name: 5-((1*H*-1,2,4-Triazol-1-yl)sulfonyl)-2-(3-(2-(2-azidoethoxy)ethoxy)prop-1-yn-1-yl)pyridine**Description:**

AzP3S is a pyridine sulfonyl triazole for modifying RNA via RNA 2'-OH sulfonylation. AzP3S can be used for RNA SHAPE-MaP experiments in cell lines and bacteria. Allows fluorescent labeling of RNA using Cu-free click chemistry. Stable in aqueous media and in storage at room temperature, can be purified with silica gel chromatography.

Physical and Chemical Properties:Batch Molecular Formula: C₁₄H₁₅N₇O₄S

Batch Molecular Weight: 377.38

Physical Appearance: Off White solid

Minimum Purity: ≥95%**Batch Molecular Structure:****References:**

Chatterjee *et al* (2023) Sulfenylation of RNA 2'-OH groups. ACS Cent.Sci **9** 531. PMID: 36968531.

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.

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