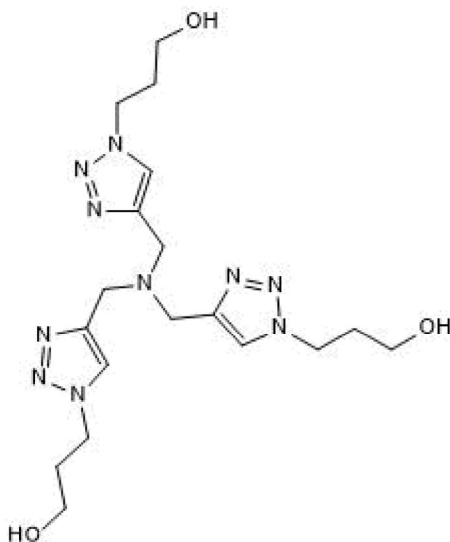


**Product Name:** THPTA  
**CAS Number:** 760952-88-3  
**IUPAC Name:** Tris[(1-(3-hydroxypropyl)-1*H*-1,2,3-triazol-4-yl)methyl]amine

**Catalog No.:** 7863      **Batch No.:** 2

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>30</sub>N<sub>10</sub>O<sub>3</sub>·¼H<sub>2</sub>O  
**Batch Molecular Weight:** 439.01  
**Physical Appearance:** Off White solid  
**Solubility:** water to 100 mM  
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	49.25	7	31.91
Found	48.87	6.82	31.43

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

**Product Name:** THPTA

**Catalog No.:** 7863

**2**

CAS Number: 760952-88-3

IUPAC Name: Tris[(1-(3-hydroxypropyl)-1H-1,2,3-triazol-4-yl)methyl]amine

**Description:**

THPTA is a click chemistry auxiliary reagent. It is a stabilizing ligand for copper-catalyzed azide-alkyne cycloaddition reactions.

**Physical and Chemical Properties:**

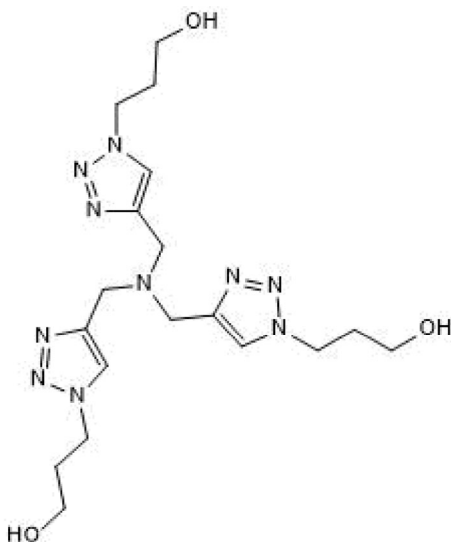
Batch Molecular Formula: C<sub>18</sub>H<sub>30</sub>N<sub>10</sub>O<sub>3</sub>·½H<sub>2</sub>O

Batch Molecular Weight: 439.01

Physical Appearance: Off White solid

**Minimum Purity:** ≥95%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

water to 100 mM

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.

**References:**

**Fantoni et al** (2021) A Hitchhiker's guide to click-chemistry with nucleic acids. Chem.Rev. **121** 7122. PMID: 33443411.

**Zhu et al** (2020) Biomimetic α-selective ribosylation enables two-step modular synthesis of biologically important ADP-ribosylated peptides. Nat.Comm. **11** 5600. PMID: 33154359.

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