

Product Name: TBTA

Catalog No.: 7862

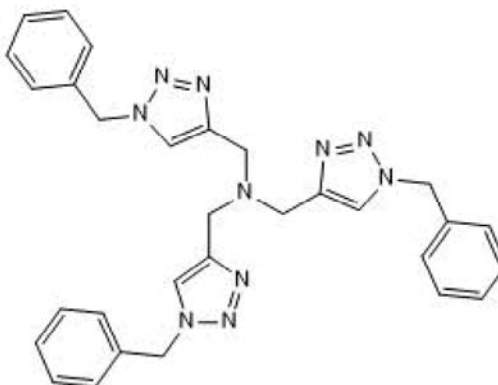
Batch No.: 2

CAS Number: 510758-28-8

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₀H₃₀N₁₀
Batch Molecular Weight: 530.6
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.9	5.7	26.4
Found	67.46	5.7	26.73

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

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CAS Number: 510758-28-8

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

Description:

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

Physical and Chemical Properties:

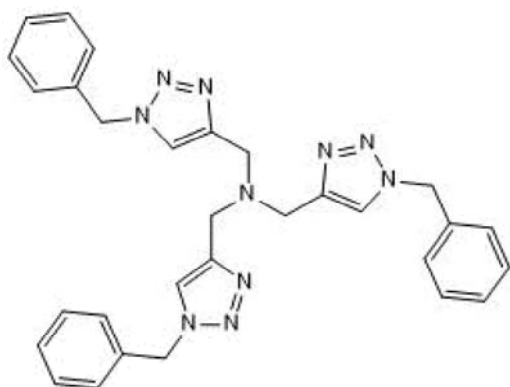
Batch Molecular Formula: C₃₀H₃₀N₁₀.

Batch Molecular Weight: 530.6

Physical Appearance: White solid

Minimum Purity: ≥97%

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:

Pang *et al* (2022) *In situ* identification of cellular drug targets in mammalian tissue. *Cell* **185** 1793. PMID: 35483372.

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

Kour *et al* (2021) Stapling proteins in the RELA complex inhibits TNFα-induced nuclear translocation of RELA. *RSC Chem.Biol.* **3** 32. PMID: 35128406.

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