

BTAA

## Chemical Properties

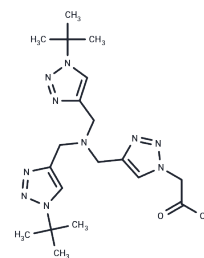
CAS No. : 1334179-85-9

Formula: C<sub>19</sub>H<sub>30</sub>N<sub>10</sub>O<sub>2</sub>

Molecular Weight: 430.51

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |                                                                              |
|---------------|------------------------------------------------------------------------------|
| Description   | BTAA, a Cu(I)-stabilizing ligand, performs potently with ubiquitin Glu18AzF. |
| Targets(IC50) | Others                                                                       |

## Solubility Information

|            |                                                                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | H <sub>2</sub> O: 5 mg/mL (11.61 mM), Sonication is recommended.<br>DMSO: 150 mg/mL (348.42 mM), Sonication is recommended.<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3228 mL | 11.6141 mL | 23.2283 mL |
| 5 mM  | 0.4646 mL | 2.3228 mL  | 4.6457 mL  |
| 10 mM | 0.2323 mL | 1.1614 mL  | 2.3228 mL  |
| 50 mM | 0.0465 mL | 0.2323 mL  | 0.4646 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Loh CT et al. Lanthanide tags for site-specific ligation to an unnatural amino acid and generation of pseudocontact shifts in proteins. *Bioconjug Chem.* 2013 Feb 20;24(2):260-8.

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