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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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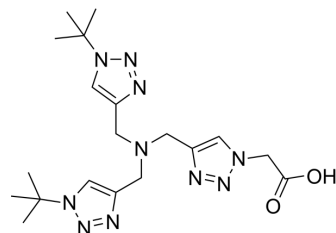
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BTAA

Cat. No.:	HY-100486
CAS No.:	1334179-85-9
Molecular Formula:	C ₁₉ H ₃₀ N ₁₀ O ₂
Molecular Weight:	430.51
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 5 mg/mL (11.61 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (116.14 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	BTAA is a Cu(I)-stabilizing ligand, which performs potently with ubiquitin Glu18AzF.
In Vitro	BTAA is a Cu(I)-stabilizing ligand. Using the Glu18AzF mutant of ubiquitin as a model system with C3-Tm³⁺ and C4-Tm³⁺, Cu-BTAA performs significantly better as a catalyst than Cu-THPTA or Cu-TBTA. BTAA proves to perform much better than THPTA (tris[(1-hydroxy-propyl-1H-1,2,3-triazol-4-yl)methyl]amine) or TBTA (tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine)^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- J Am Chem Soc. 2018 Dec 5;140(48):16589-16595.
 - ACS Appl Mater Interfaces. 2023 Dec 18.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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