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Produktinformation



Forschungsprodukte & Biochemikalien



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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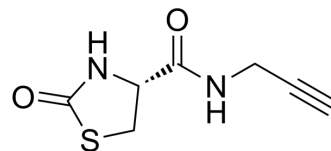
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Cystathionine-γ-lyase-IN-1

Cat. No.:	HY-136211
CAS No.:	2165706-30-7
Molecular Formula:	C ₇ H ₈ N ₂ O ₂ S
Molecular Weight:	184.22
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 18 mg/mL (97.71 mM; Need ultrasonic and warming)
 Ethanol : 9 mg/mL (48.85 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.4283 mL	27.1415 mL	54.2829 mL
	5 mM		1.0857 mL	5.4283 mL	10.8566 mL
	10 mM		0.5428 mL	2.7141 mL	5.4283 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cystathionine-γ-lyase-IN-1 is a selective cystathionine γ-lyase (CSE) enzyme inhibitor with an IC₅₀ of 6.3 μM^[1].
 Cystathionine-γ-lyase-IN-1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

IC₅₀ & Target

IC₅₀: 6.3 μM (CSE)^[1]

In Vitro

Cystathionine-γ-lyase-IN-1 (compound 2a) completely abrogates L-cysteine-induced vasorelaxation at a concentration of 100 μM^[1].
 ?Cystathionine-γ-lyase-IN-1 (100 μM; 30 minutes) significantly inhibits the increased H₂S production stimulated by L-Cys in mouse aorta homogenates^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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