



SZABO SCANDIC

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Produktinformation



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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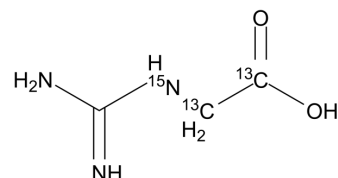
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Glycocyamine-¹⁵N,¹³C₂

Cat. No.:	HY-W021448S1
CAS No.:	2483829-93-0
Molecular Formula:	C ¹³ C ₂ H ₇ N ₂ ¹⁵ NO ₂
Molecular Weight:	120.09
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (41.64 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		8.3271 mL	41.6354 mL	83.2709 mL
	5 mM		1.6654 mL	8.3271 mL	16.6542 mL
	10 mM		0.8327 mL	4.1635 mL	8.3271 mL

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

BIOLOGICAL ACTIVITY

Description

Glycocyamine-¹⁵N,¹³C₂ is the ¹³C and ¹⁵N labeled Glycocyamine[1]. Glycocyamine (Guanidinoacetic acid), a precursor of creatine, is a replacement of dietary arginine and could support overall energy homeostasis of the bird[2].

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. Dilger RN, et al. Dietary guanidino acetic acid is an efficacious replacement for arginine for young chicks. Poult Sci. 2013 Jan;92(1):171-7.

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

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