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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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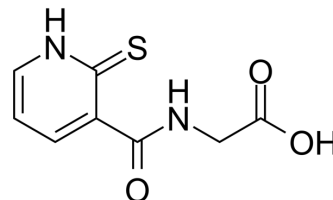
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2-MNG

Cat. No.:	HY-159107
CAS No.:	2101538-28-5
Molecular Formula:	C ₈ H ₈ N ₂ O ₃ S
Molecular Weight:	212.23
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 : 116.67 mg/mL (549.73 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.7119 mL	23.5593 mL	47.1187 mL
	5 mM		0.9424 mL	4.7119 mL	9.4237 mL
	10 mM		0.4712 mL	2.3559 mL	4.7119 mL

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

BIOLOGICAL ACTIVITY

Description

2-MNG (2-Mercaptopyridine-3-carboxamide) is an inhibitor for melanogenesis with an average IC₅₀ of 49.5 μM in normal human melanocytes. 2-MNG binds to melanin precursors, prevents the incorporation into growing melanin, and thereby inhibits the synthesis of eumelanin and pheomelanin. 2-MNG can be used in research about skin pigmentation^[1].

REFERENCES

[1]. Sextius P, et al., 2-Mercaptopyridine-3-carboxamide, a new potent melanogenesis inhibitor, exhibits a unique mode of action while preserving melanocyte integrity. Pigment Cell Melanoma Res. 2024 Jul;37(4):462-479.

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

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