



SZABO SCANDIC

Part of Europa Biosite

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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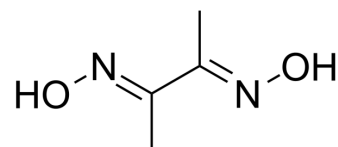
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Dimethylglyoxime

Cat. No.:	HY-W012898
CAS No.:	95-45-4
Molecular Formula:	C ₄ H ₈ N ₂ O ₂
Molecular Weight:	116.12
Target:	Biochemical Assay Reagents
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 : 100 mg/mL (861.18 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		8.6118 mL	43.0589 mL	86.1178 mL
	5 mM		1.7224 mL	8.6118 mL	17.2236 mL
	10 mM		0.8612 mL	4.3059 mL	8.6118 mL

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

BIOLOGICAL ACTIVITY

Description

Dimethylglyoxime (Biacetyl dioxime) belongs to the class of oximes and consists of two acetyl groups attached to a nitrogen atom, which in turn is attached to another nitrogen atom through a diimine bond. Dimethylglyoxime is a specific chelator of Ni that inhibits or slows the aggregation of Aβ peptides in vitro^[1].

REFERENCES

- [1]. Benoit SL, et al. The nickel-chelator dimethylglyoxime inhibits human amyloid beta peptide in vitro aggregation. Sci Rep. 2021 Mar 23;11(1):6622.
- [2]. Benoit SL, et al. The nickel-chelator dimethylglyoxime inhibits human amyloid beta peptide in vitro aggregation. Sci Rep. 2021 Mar 23;11(1):6622.

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

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