



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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

### SZABO-SCANDIC HandelsgmbH

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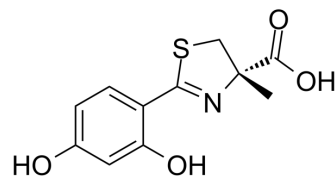
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## Deferitrin

<b>Cat. No.:</b>	HY-108260		
<b>CAS No.:</b>	239101-33-8		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>11</sub> NO <sub>4</sub> S		
<b>Molecular Weight:</b>	253.27		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (493.54 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.9484 mL	19.7418 mL	39.4836 mL
5 mM	0.7897 mL	3.9484 mL	7.8967 mL
10 mM	0.3948 mL	1.9742 mL	3.9484 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Deferitrin (GT-56-252), a desferrithiocin (DFT) analogue, is an orally active trident iron chelator. Deferitrin is used for chronic iron overload due to transfusional therapy. Deferitrin has the potential for beta-thalassemia major<sup>[1][2]</sup>.

#### In Vitro

The iron-clearing efficiency (ICE) of Deferitrin (GT-56-252) in a non-iron-overloaded rodent model after oral (po) administration at 300 µmol/kg is shown to be 1.1%<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Raymond J Bergeron, et al. Design, Synthesis, and Testing of Non-Nephrotoxic Desazadesferrithiocin Polyether Analogues. *J Med Chem.* 2008 Jul 10;51(13):3913-23.
- [2]. Joanne M Donovan, et al. Preclinical and Clinical Development of Deferitrin, a Novel, Orally Available Iron Chelator. *Ann N Y Acad Sci.* 2005;1054:492-4.

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

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