



# 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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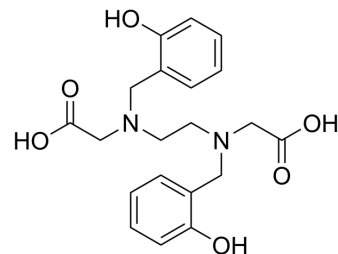
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## HBED

<b>Cat. No.:</b>	HY-114837		
<b>CAS No.:</b>	35998-29-9		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	388.41		
<b>Target:</b>	Ferroptosis		
<b>Pathway:</b>	Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 5.56 mg/mL (14.31 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5746 mL	12.8730 mL	25.7460 mL
5 mM	0.5149 mL	2.5746 mL	5.1492 mL
10 mM	0.2575 mL	1.2873 mL	2.5746 mL

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

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 0.56 mg/mL (1.44 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 0.56 mg/mL (1.44 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

HBED is a potent iron chelator. HBED can be used to study transfusional iron overload<sup>[1]</sup>.

## REFERENCES

[1]. Lau E H, et al. Improvement of iron removal from the reticuloendothelial system by liposome encapsulation of N, N'-bis [2-hydroxybenzyl]-ethylenediamine-N, N'-diacetic acid (HBED): Comparison with desferrioxamine[J]. The Journal of Laboratory and Clinical Medicine, 1983, 101(5): 806-816.

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

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