



# 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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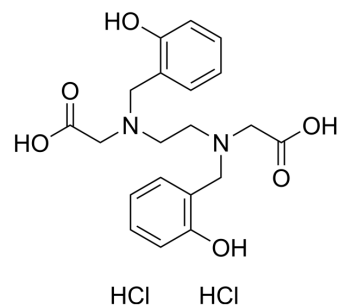
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## HBED dihydrochloride

<b>Cat. No.:</b>	HY-W035520		
<b>CAS No.:</b>	35369-53-0		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>26</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	461.34		
<b>Target:</b>	Biochemical Assay Reagents		
<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 : 100 mg/mL (216.76 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1676 mL	10.8380 mL	21.6760 mL
5 mM	0.4335 mL	2.1676 mL	4.3352 mL
10 mM	0.2168 mL	1.0838 mL	2.1676 mL

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

### BIOLOGICAL ACTIVITY

#### Description

HBED dihydrochloride is an orally active and hexadentate phenolic aminocarboxylate iron chelator. HBED refers to N, N'-bis(2-hydroxybenzyl)ethylenediamine-N,N'-diacetic acid, inducing iron excretion in primates. HBED dihydrochloride has the potential to be used as an alternative to desferriamine for iron chelation therapy<sup>[1]</sup>.

#### In Vivo

HBED monohydrochloride dihydrate produces different activity under different dosing methods. HBED does not produce significant effects when administered orally at doses of 81, 162, and 324 μMol/kg. After subcutaneous administration of 162 and 324 μMol/kg, the net iron excretion is increased<sup>[1]</sup>.

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

### REFERENCES

[1]. Bergeron RJ, et al. HBED: the continuing development of a potential alternative to deferoxamine for iron-chelating therapy. Blood. 1999 Jan 1;93(1):370-5.

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

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