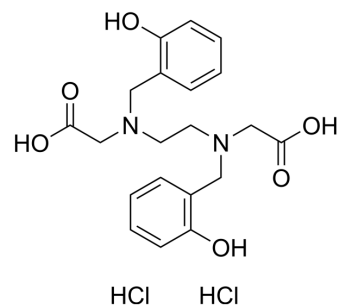


HBED dihydrochloride

Cat. No.:	HY-W035520		
CAS No.:	35369-53-0		
Molecular Formula:	C ₂₀ H ₂₆ Cl ₂ N ₂ O ₆		
Molecular Weight:	461.34		
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 (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^[1].

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^[1].

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.

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

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