



# 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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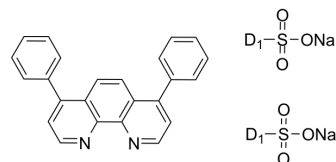
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## Bathophenanthrolinedisulfonic acid disodium

<b>Cat. No.:</b>	HY-W127790
<b>CAS No.:</b>	52746-49-3
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	536.49
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (233.00 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8640 mL	9.3198 mL	18.6397 mL
	5 mM	0.3728 mL	1.8640 mL	3.7279 mL
	10 mM	0.1864 mL	0.9320 mL	1.8640 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Bathophenanthrolinedisulfonic acid disodium salt is used as a colorimetric reagent for the detection of iron. It is widely used for the determination of iron in aqueous solutions without the use of extraction solvents. It is used as a precursor for the preparation of the anion Europium(III) disulfonated bathophenanthroline tris(dibenzoylformic acid) complex and ruthenium II tris(rubphenanthroline disulfonate). It plays a crucial role in the catalytic oxidation of 2-hexanol by enabling it to form a water-soluble complex with palladium.

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

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