

## Bathophenanthrolinedisulfonic acid disodium

## Chemical Properties

CAS No. :	52746-49-3
Formula:	C <sub>24</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	536.49
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Bathophenanthrolinedisulfonic acid disodium salt (BPS) is a colorimetric reagent for detecting iron ions with a measurement wavelength of 535 nm. It is suitable for iron determination in aqueous systems without the need for solvent extraction. Additionally, BPS can be used to prepare Europium(III) bis(meso-phenanthroline disulfonate) and ruthenium(II) tris(meso-phenanthroline disulfonate) complexes or to form water-soluble complexes with palladium for the catalytic oxidation of 2-hexanol.
-------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.864 mL	9.3198 mL	18.6397 mL
5 mM	0.3728 mL	1.864 mL	3.7279 mL
10 mM	0.1864 mL	0.932 mL	1.864 mL
50 mM	0.0373 mL	0.1864 mL	0.3728 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481