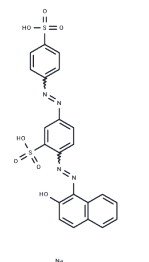


## Biebrich scarlet

## Chemical Properties

CAS No. :	4196-99-0
Formula:	C <sub>22</sub> H <sub>16</sub> N <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> S <sub>2</sub>
Molecular Weight:	558.5
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Biebrich scarlet is a scarlet dye, it has been used in Masson's trichrome stain for the staining of collagen. It has also been used for the staining of eosinophil.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7905 mL	8.9526 mL	17.9051 mL
5 mM	0.3581 mL	1.7905 mL	3.581 mL
10 mM	0.1791 mL	0.8953 mL	1.7905 mL
50 mM	0.0358 mL	0.1791 mL	0.3581 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.

### Reference

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Mlynek ML. Comparative investigations on the specificity of Adams' reaction and the Biebrich scarlet stain for the demonstration of eosinophilic granules. *Klin Wochenschr.* 1985 Jul 15;63(14):646-7. PubMed PMID: 2411996.

Hague DN, Henshaw JS, John VA, Pooley MJ, Chock PB. Dimerization of Biebrich scarlet and the monomer-alpha-chymotrypsin interaction. *Nature.* 1971 Jan 15;229(5281):190-1. PubMed PMID: 4923262.

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