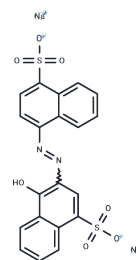


## Carmoisine

## Chemical Properties

CAS No. :	3567-69-9
Formula:	C <sub>20</sub> H <sub>12</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>7</sub> S <sub>2</sub>
Molecular Weight:	502.40
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Carmoisine (Azo Rubine) is a food dye Azorubine and is used for the purposes where food is heat-treated after fermentation.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (109.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9904 mL	9.9522 mL	19.9045 mL
5 mM	0.3981 mL	1.9904 mL	3.9809 mL
10 mM	0.199 mL	0.9952 mL	1.9904 mL
50 mM	0.0398 mL	0.199 mL	0.3981 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

Kumar J , Bansal A . Dual effect of photocatalysis and adsorption in degradation of azorubine dye using Nanosized TiO<sub>2</sub> and activated carbon immobilized with different techniques[J]. international journal of chemtech research, 2010, 2(3):1537-1543.

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