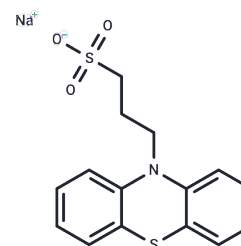


PTZ-343

## Chemical Properties

CAS No. : 101199-38-6  
 Formula: C<sub>15</sub>H<sub>14</sub>NNaO<sub>3</sub>S<sub>2</sub>  
 Molecular Weight: 343.39  
 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	PTZ-343 is a potent enhancer of Luminol, acting as an electron transfer mediator. It reacts with HRP-II to release HRP and a PTZ-343 radical, which then oxidizes luminol anions to induce light emission.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: Insoluble, DMSO: 60 mg/mL (174.73 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	2.9121 mL	14.5607 mL	29.1214 mL
5 mM	0.5824 mL	2.9121 mL	5.8243 mL
10 mM	0.2912 mL	1.4561 mL	2.9121 mL
50 mM	0.0582 mL	0.2912 mL	0.5824 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

WenxiaZhang, et al. A novel electrochemical biomimetic sensor based on E-MIP artificial acceptor and SI-ATRP assisted signal amplification. Journal of Electroanalytical Chemistry. Volume 842, 1 June 2019, Pages 24-33

Ettore Marzocchi, et al. Chemiluminescent detection systems of horseradish peroxidase employing nucleophilic acylation catalysts. Anal Biochem. 2008 Jun 15;377(2):189-94.

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