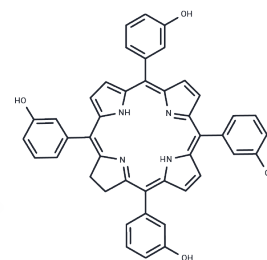


## Temoporfin

## Chemical Properties

CAS No. :	122341-38-2
Formula:	C <sub>44</sub> H <sub>32</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	680.75
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	Temoporfin used in photodynamic therapy for the treatment of squamous cell carcinoma of the head and neck.
Targets(IC50)	Others, Reactive Oxygen Species, ROS

## Solubility Information

Solubility	DMSO: 27 mg/mL (39.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.47 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.469 mL	7.3448 mL	14.6897 mL
5 mM	0.2938 mL	1.469 mL	2.9379 mL
10 mM	0.1469 mL	0.7345 mL	1.469 mL
50 mM	0.0294 mL	0.1469 mL	0.2938 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.

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