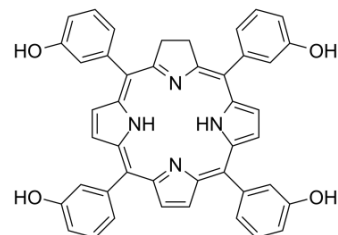


## Temoporfin

Cat. No.:	HY-16488		
CAS No.:	122341-38-2		
Molecular Formula:	C <sub>44</sub> H <sub>32</sub> N <sub>4</sub> O <sub>4</sub>		
Molecular Weight:	680.75		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 30 mg/mL (44.07 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.4690 mL	7.3448 mL	14.6897 mL
	5 mM	0.2938 mL	1.4690 mL	2.9379 mL
	10 mM	0.1469 mL	0.7345 mL	1.4690 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 1 mg/mL (1.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 1 mg/mL (1.47 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Temoporfin(KW 2345) used in photodynamic therapy for the treatment of squamous cell carcinoma of the head and neck. Target: Others  
 Temoporfin used in photodynamic therapy for the treatment of squamous cell carcinoma of the head and neck. Patients can remain photosensitive for several weeks after treatment.

### CUSTOMER VALIDATION

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- Theranostics. 2018 Feb 4;8(5):1435-1448.
  - Cell Death Dis. 2020 Oct 31;11(10):938.
  - Am J Transl Res. 2020 Sep 15;12(9):5080-5094.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. <http://en.wikipedia.org/wiki/Temoporfin>

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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