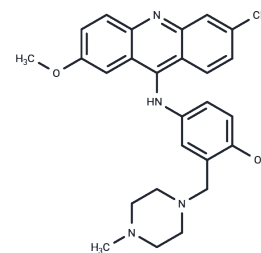


HM03

## Chemical Properties

CAS No. : 500565-15-1  
 Formula: C<sub>26</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>2</sub>  
 Molecular Weight: 462.97  
 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	HM03 is a potent and selective inhibitor of HSPA5 and exhibits anticancer activity.
Targets(IC50)	HSP

## Solubility Information

Solubility	DMSO: 125 mg/mL (270 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: 5 mg/mL (10.8 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	2.160 mL	10.7998 mL	21.5997 mL
5 mM	0.432 mL	2.160 mL	4.3199 mL
10 mM	0.216 mL	1.080 mL	2.160 mL
50 mM	0.0432 mL	0.216 mL	0.432 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

Huang M , Li Z , Li D , et al. Structure-based design of HSPA5 inhibitors: From peptide to small molecule inhibitors [J]. Bioorganic & Medicinal Chemistry Letters, 2013, 23(10):3044-3050.

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