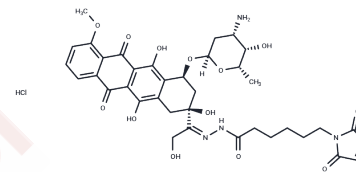


## MC-DOXHZN hydrochloride

### Chemical Properties

CAS No. :	480998-12-7
Formula:	C <sub>37</sub> H <sub>43</sub> ClN <sub>4</sub> O <sub>13</sub>
Molecular Weight:	787.22
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	MC-DOXHZN hydrochloride is an albumin-binding prodrug of Doxorubicin. Doxorubicin is a DNA topoisomerase II inhibitor.
Targets(IC50)	Drug-Linker Conjugates for ADC,Topoisomerase

### Solubility Information

Solubility	DMSO: 120 mg/mL (152.44 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: 3.3 mg/mL (4.19 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	1.2703 mL	6.3515 mL	12.7029 mL
5 mM	0.2541 mL	1.2703 mL	2.5406 mL
10 mM	0.127 mL	0.6351 mL	1.2703 mL
50 mM	0.0254 mL	0.127 mL	0.2541 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

Sevim Rollas, et al. Hydrazone, Amide, Carbamate, Macromolecular and Other Prodrugs of Doxorubicin. The Open Drug Delivery Journal, 2008, 2, 77-85.

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