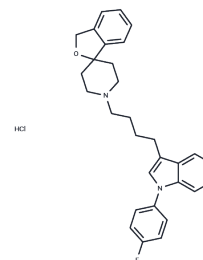


## Siramesine hydrochloride

## Chemical Properties

CAS No. :	224177-60-0
Formula:	C30H32ClFN2O
Molecular Weight:	491.04
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Siramesine hydrochloride (Lu 28-179 hydrochloride) is a selective sigma-2 receptor agonist, which has been shown to trigger cell death of Y cells and to exhibit a potent anticancer activity in vivo.
Targets(IC50)	Ferroptosis, Lysosomal Autophagy, Sigma receptor

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (56 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: 2 mg/mL (4.07 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	2.0365 mL	10.1825 mL	20.3649 mL
5 mM	0.4073 mL	2.0365 mL	4.073 mL
10 mM	0.2036 mL	1.0182 mL	2.0365 mL
50 mM	0.0407 mL	0.2036 mL	0.4073 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

Cesen MH, et al. Cell Death Dis. 2013 Oct 3;4:e818.

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