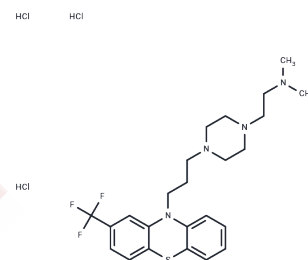


ZZW-115 hydrochloride

Chemical Properties

CAS No. :	10122-45-9
Formula:	C ₂₄ H ₃₄ Cl ₃ F ₃ N ₄ S
Molecular Weight:	573.97
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	ZZW-115 hydrochloride inhibits the activity of NUPR1.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	H ₂ O: 100 mg/mL (174.23 mM), Sonication is recommended. DMSO: 83.33 mg/mL (145.18 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 (8.71 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	1.7423 mL	8.7113 mL	17.4225 mL
5 mM	0.3485 mL	1.7423 mL	3.4845 mL
10 mM	0.1742 mL	0.8711 mL	1.7423 mL
50 mM	0.0348 mL	0.1742 mL	0.3485 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

Santofimia-Castaño P, et al. Ligand-based design identifies a potent NUPR1 inhibitor exerting anticancer activity via necroptosis. J Clin Invest. 2019;129(6):2500-2513. Published 2019 Mar 28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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