

MZ 1

## Chemical Properties

CAS No. :	1797406-69-9
Formula:	C <sub>49</sub> H <sub>60</sub> ClN <sub>9</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight:	1002.64
Storage:	Keep away from direct sunlight 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	MZ 1 is a BRD4 protein degrader based on PROTAC technology.
Targets(IC50)	Epigenetic Reader Domain,PROTACs

## Solubility Information

Solubility	DMSO: 127.5 mg/mL (127.16 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 (1.99 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	0.9974 mL	4.9868 mL	9.9737 mL
5 mM	0.1995 mL	0.9974 mL	1.9947 mL
10 mM	0.0997 mL	0.4987 mL	0.9974 mL
50 mM	0.0199 mL	0.0997 mL	0.1995 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

Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 201. May;13(5):514-521.

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