

(Iso)-MS4322

## Chemical Properties

CAS No. : 2601727-80-2

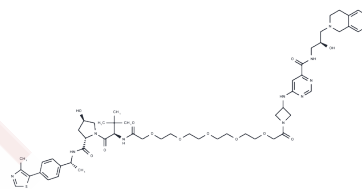
Formula: C<sub>55</sub>H<sub>76</sub>N<sub>10</sub>O<sub>12</sub>S

Molecular Weight: 1101.32

Store at low temperature

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	(Iso)-MS4322 ((Iso)-YS43-22) is a selective and potent protein arginine methyltransferase 5 (PRMT5) degrader with potential anticancer activity that effectively reduces PRMT5 protein levels in MCF-7 cells and inhibits the growth of a wide range of cancer cells.
Targets(IC50)	Histone Methyltransferase,PROTACs

## Solubility Information

Solubility	DMSO: 30 mg/mL (27.24 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 (1.82 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.908 mL	4.540 mL	9.080 mL
5 mM	0.1816 mL	0.908 mL	1.816 mL
10 mM	0.0908 mL	0.454 mL	0.908 mL
50 mM	0.0182 mL	0.0908 mL	0.1816 mL

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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

Shen Y, et al. Discovery of First-in-Class Protein Arginine Methyltransferase 5 (PRMT5) Degradable. J Med Chem. 2020 Sep 10;63(17):9977-9989.

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