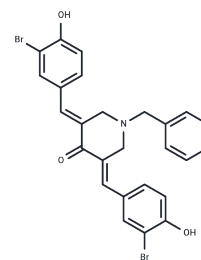


## CARM1-IN-1

## Chemical Properties

CAS No. :	1020399-49-8
Formula:	C <sub>26</sub> H <sub>21</sub> Br <sub>2</sub> NO <sub>3</sub>
Molecular Weight:	555.26
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	CARM1-IN-1 (CARM1-IN-7G) is a selective inhibitor of CARM1 with IC <sub>50</sub> of 8.6 μM. CARM1-IN-1 shows weak activity against PRMT1 and SET7 with IC <sub>50</sub> > 600 μM.
Targets(IC <sub>50</sub> )	Histone Methyltransferase
In vitro	In human LNCaP cells, CARM1-IN-1 significantly reduces the PSA promoter activity in a dose-dependent manner[1].

## Solubility Information

Solubility	DMSO: 145 mg/mL (261.14 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 (3.6 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	1.801 mL	9.0048 mL	18.0096 mL
5 mM	0.3602 mL	1.801 mL	3.6019 mL
10 mM	0.1801 mL	0.9005 mL	1.801 mL
50 mM	0.036 mL	0.1801 mL	0.3602 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

Cheng D, et al. Novel 3,5-bis(bromohydroxybenzylidene)piperidin-4-ones as coactivator-associated arginine methyltransferase 1 inhibitors: enzyme selectivity and cellular activity. *J Med Chem.* 2011 Jul 14;54(13):4928-32.

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