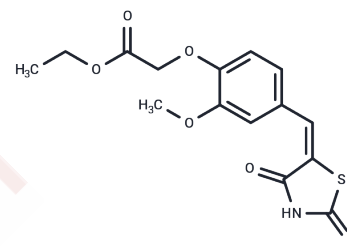


## IMR-1

## Chemical Properties

CAS No. :	310456-65-6
Formula:	C <sub>15</sub> H <sub>15</sub> NO <sub>5</sub> S <sub>2</sub>
Molecular Weight:	353.41
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	IMR-1, a novel class of Notch inhibitors, targets transcriptional activation with an IC <sub>50</sub> of 6 μMol/L.
Targets(IC <sub>50</sub> )	Gamma-secretase
Cell Research	ChIP assay on the HES1 promoter using the indicated antibodies following treatment of OE33 and 786-0 cells with DAPT (15 μM), IMR-1 (25 μM), or vehicle (DMSO) using GAPDH as loading control. (Only for Reference)

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 60 mg/mL (169.77 mM),Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 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 (5.66 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	2.8296 mL	14.1479 mL	28.2957 mL
5 mM	0.5659 mL	2.8296 mL	5.6591 mL
10 mM	0.283 mL	1.4148 mL	2.8296 mL
50 mM	0.0566 mL	0.283 mL	0.5659 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

Astudillo L et al. Cancer Res. 2016 Jun 15;76(12):3593-603.

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