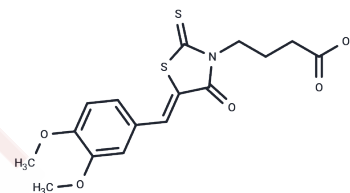


## iCRT-5

## Chemical Properties

CAS No. :	18623-44-4
Formula:	C <sub>16</sub> H <sub>17</sub> NO <sub>5</sub> S <sub>2</sub>
Molecular Weight:	367.44
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	iCRT-5 is a potent inhibitor of the Wnt pathway. iCRT-5 has antiproliferative activity, blocking Wnt/ $\beta$ -catenin expression and inducing apoptosis. iCRT-5 can be used in the study of multiple myeloma.
Targets(IC50)	Apoptosis,Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: 30 mg/mL (81.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7215 mL	13.6077 mL	27.2153 mL
5 mM	0.5443 mL	2.7215 mL	5.4431 mL
10 mM	0.2722 mL	1.3608 mL	2.7215 mL
50 mM	0.0544 mL	0.2722 mL	0.5443 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

Narayanan BA, et al. Antagonistic effect of small-molecule inhibitors of Wnt/ $\beta$ -catenin in multiple myeloma. *Anticancer Res.* 2012 Nov;32(11):4697-707.

Käfer R, et, al. Inhibitors of  $\beta$ -catenin affect the immuno-phenotype and functions of dendritic cells in an inhibitor-specific manner. *Int Immunopharmacol.* 2016 Mar;32:118-124.

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