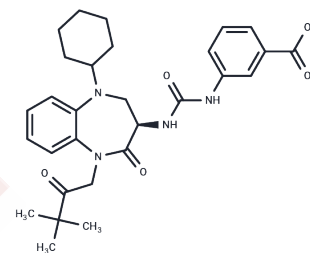


## Nastorazepide

## Chemical Properties

CAS No. : 209219-38-5  
 Formula: C<sub>29</sub>H<sub>36</sub>N<sub>4</sub>O<sub>5</sub>  
 Molecular Weight: 520.62  
 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	Nastorazepide (Z-360) is a selective, orally available antagonist of the gastrin/cholecystokinin 2 (CCK-2) receptor with potential antineoplastic activity.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase,Akt,Ephrin Receptor,Cholecystokinin Receptor,Interleukin, VEGFR
In vitro	Nastorazepide binds to the gastrin/CCK-2 receptor, thereby preventing receptor activation by gastrin, a peptide hormone frequently associated with the proliferation of gastrointestinal and pancreatic tumor cells[1].
In vivo	Nastorazepide significantly inhibits the growth of subcutaneous xenografts of human pancreatic tumor cells in mice, and that Nastorazepide combined with gemcitabine prolonged survival in a pancreatic carcinoma orthotopic xenograft mice[1].

## Solubility Information

Solubility	DMSO: 30 mg/mL (57.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (3.84 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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	1mg	5mg	10mg
1 mM	1.9208 mL	9.6039 mL	19.2079 mL
5 mM	0.3842 mL	1.9208 mL	3.8416 mL
10 mM	0.1921 mL	0.9604 mL	1.9208 mL
50 mM	0.0384 mL	0.1921 mL	0.3842 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

Kato H, et al. CCK-2/gastrin receptor signaling pathway is significant for gemcitabine-induced gene expression of VEGF in pancreatic carcinoma cells. Life Sci. 2011 Oct 24;89(17-18):603-8.

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