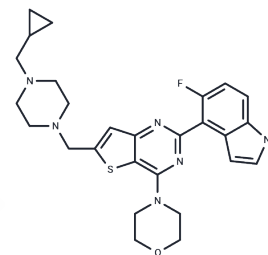


PI-3065

## Chemical Properties

CAS No. : 955977-50-1  
 Formula: C<sub>27</sub>H<sub>31</sub>FN<sub>6</sub>O<sub>5</sub>  
 Molecular Weight: 506.64  
 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	PI-3065 is a novel potent and selective PI3K p110δ inhibitor.
Targets(IC50)	DNA-PK,mTOR,PI3K
In vitro	PI-3065 shows no inhibition on the growth of 4T1 cells, which do not expressing detectable levels of p110δ. [1]
Cell Research	Proliferation of 4T1 cells is assayed following a 4-h treatment with the indicated p110δ inhibitors, then washing and MTS staining are carried out after 48h culture. (Only for Reference)

## Solubility Information

Solubility	DMSO: 1 mg/mL (1.97 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: 1 mg/mL (1.97 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	1.9738 mL	9.8689 mL	19.7379 mL
5 mM	0.3948 mL	1.9738 mL	3.9476 mL
10 mM	0.1974 mL	0.9869 mL	1.9738 mL
50 mM	0.0395 mL	0.1974 mL	0.3948 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

Ali K, et al. Nature. 2014, 510(7505), 407-411.

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