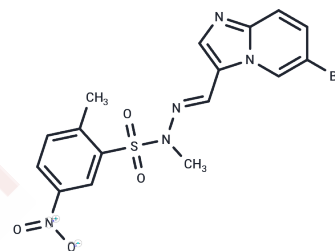


PIK-75

## Chemical Properties

CAS No. : 372196-67-3  
 Formula: C<sub>16</sub>H<sub>14</sub>BrN<sub>5</sub>O<sub>4</sub>S  
 Molecular Weight: 452.28  
 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	PIK-75, a DNA-PK and PI3K inhibitor, suppresses DNA-PK(IC <sub>50</sub> =2 nM), p110α(IC <sub>50</sub> =5.8 nM) and p110γ(IC <sub>50</sub> =76 nM).
Targets(IC <sub>50</sub> )	Apoptosis,DNA-PK,PI3K

## Solubility Information

Solubility	DMSO: 4.53 mg/mL (10.02 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	2.211 mL	11.0551 mL	22.1102 mL
5 mM	0.4422 mL	2.211 mL	4.422 mL
10 mM	0.2211 mL	1.1055 mL	2.211 mL
50 mM	0.0442 mL	0.2211 mL	0.4422 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

Zheng Z, et al. Mol Pharmacol. 2011, 80(4), 657-664.

Chen R, Wang Z, Sima L, et al.Design, synthesis and evaluation of 2, 6, 8-substituted Imidazopyridine derivatives as potent PI3K α inhibitors.Journal of Enzyme Inhibition and Medicinal Chemistry.2023, 38(1): 2155638.

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