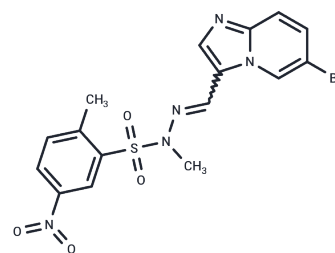


PIK-75

Chemical Properties

CAS No. : 372196-67-3
Formula: C₁₆H₁₄BrN₅O₄S
Molecular Weight: 452.28
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PIK-75, a DNA-PK and PI3K inhibitor, suppresses DNA-PK(IC ₅₀ =2 nM), p110α(IC ₅₀ =5.8 nM) and p110γ(IC ₅₀ =76 nM).
Targets(IC ₅₀)	Apoptosis,DNA-PK,PI3K

Solubility Information

Solubility	DMSO: 4.52 mg/mL (10 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.

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

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481