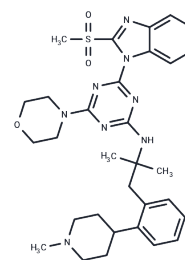


P110δ-IN-1

Chemical Properties

CAS No. : 1595129-71-7
 Formula: C₃₁H₄₀N₈O₃S
 Molecular Weight: 604.77
 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	P110δ-IN-1 (PWT-143) is an effective and selective inhibitor of P110δ (IC ₅₀ : 8.4 nM).
Targets(IC ₅₀)	PI3K

Solubility Information

Solubility	DMSO: 9.4 mg/mL (15.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.94 mg/mL (1.55 mM), Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.65 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

	1mg	5mg	10mg
1 mM	1.6535 mL	8.2676 mL	16.5352 mL
5 mM	0.3307 mL	1.6535 mL	3.307 mL
10 mM	0.1654 mL	0.8268 mL	1.6535 mL
50 mM	0.0331 mL	0.1654 mL	0.3307 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

S. David Brown , et al. (sulfinyl and sulfonyl benzimidazolyl) pyrimidines and triazines, pharmaceutical compositions thereof, and their use for treating proliferative diseases. WO2014055647A1

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