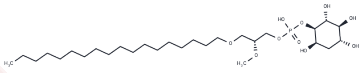
# Data Sheet (Cat.No.T69589)

PX-316

## Chemical Properties



CAS No. : 253440-95-8

Formula: C28H57O10P

Molecular Weight: 584.72

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 | PX-316 is a AKT inhibior. PX-316, when administered intraperitoneally to mice at 150 mg/kg, inhibits Akt activation in HT-29 human tumor xenografts up to 78% at 10 h with recovery to 34% at 48 h. PX-316 has antitumor activity against early human MCF-7 breast cancer and HT-29 colon cancer xenografts in mice. PX-316 formulated in 20% hydroxypropyl-beta-cyclodextrin for intravenous administration is well tolerated in mice and rats with no hemolysis and no hematological toxicity. Thus, PX-316 is the lead compound of a new class of potential agents that inhibit Akt survival signaling. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.7102 mL | 8.5511 mL | 17.1022 mL |
| 5 mM | 0.342 mL | 1.7102 mL | 3.4204 mL |
| 10 mM | 0.171 mL | 0.8551 mL | 1.7102 mL |
| 50 mM | 0.0342 mL | 0.171 mL | 0.342 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.



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