

GDC-0326

Chemical Properties

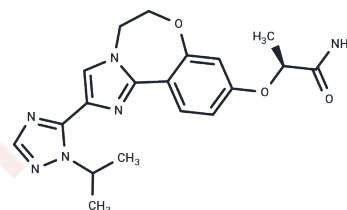
CAS No. : 1282514-88-8

Formula: C₁₉H₂₂N₆O₃

Molecular Weight: 382.42

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 | GDC-0326 is a potent and selective inhibitor of the α -isoform of Phosphoinositide 3-Kinase (PI3K α inhibitor). |
| Targets(IC50) | PI3K |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 69 mg/mL (180.43 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.23 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 | 2.6149 mL | 13.0746 mL | 26.1493 mL |
| 5 mM | 0.523 mL | 2.6149 mL | 5.2299 mL |
| 10 mM | 0.2615 mL | 1.3075 mL | 2.6149 mL |
| 50 mM | 0.0523 mL | 0.2615 mL | 0.523 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

Heffron TP., et al. The Rational Design of Selective Benzoxazepin Inhibitors of the α -Isoform of Phosphoinositide 3-Kinase Culminating in the Identification of (S)-2-((2-(1-Isopropyl-1H-1,2,4-triazol-5-yl)-5,6-dihydrobenzo[f]imidazo[1,2-d][1,4]oxazepin-9-yl)oxy)propanamide (GDC-0326). J Med Chem. 2016 Feb 11;59(3):985-1002.

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