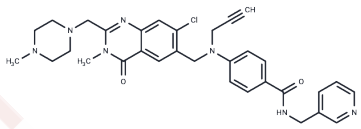
Data Sheet (Cat.No.T14879)

TargetMol

CB 300919

Chemical Properties



CAS No. : 289715-28-2

Formula: C32H34ClN7O2

Molecular Weight: 584.11

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	CB 300919 is a quinazoline-based antitumor agent exhibiting high activity against CH1 human ovarian tumor xenografts, with continuous exposure (96 h) resulting in a growth inhibition (IC50: 2 nM).
Targets(IC50)	Others,NAMPT

Solubility Information

Solubility	DMSO: 100 mg/mL (171.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 4 mg/mL (6.85 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.712 mL	8.560 mL	17.1201 mL
5 mM	0.3424 mL	1.712 mL	3.424 mL
10 mM	0.1712 mL	0.856 mL	1.712 mL
50 mM	0.0342 mL	0.1712 mL	0.3424 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

Lockman JW, et al. Analogues of 4-[(7-Bromo-2-methyl-4-oxo-3H-quinazolin-6-yl)methylprop-2-ynylamino]-N-(3-pyridylmethyl)benzamide (CB-30865) as Potent Inhibitors of Nicotinamide Phosphoribosyltransferase (Nampt). J. Med. Chem., 2010, 53 (24), pp 8734-8746

Bavetsias, V. et al. The Design and Synthesis of Water-Soluble Analogues of CB30865, a Quinazolin-4-one-Based Antitumor Agent. Journal of Medicinal Chemistry (2002), 45(17), 3692-3702.

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