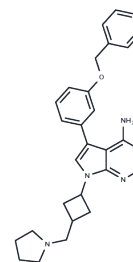


NVP-ADW742

## Chemical Properties

CAS No. :	475488-23-4
Formula:	C <sub>28</sub> H <sub>31</sub> N <sub>5</sub> O
Molecular Weight:	453.58
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	NVP-ADW742 (ADW) is an IGF-1R inhibitor with IC <sub>50</sub> of 0.17 μM, >16-fold more potent against IGF-1R than InsR; little activity to HER2, PDGFR, VEGFR-2, Bcr-Abl and c-Kit.
Targets(IC <sub>50</sub> )	Apoptosis, IGF-1R

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 15 mg/mL (33.07 mM), Sonication is recommended. Ethanol: 3 mg/mL (6.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (2.2 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	2.2047 mL	11.0234 mL	22.0468 mL
5 mM	0.4409 mL	2.2047 mL	4.4094 mL
10 mM	0.2205 mL	1.1023 mL	2.2047 mL
50 mM	0.0441 mL	0.2205 mL	0.4409 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

Mitsiades CS, et al. Cancer Cell, 2004, 5(3), 221-230.

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