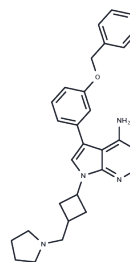


NVP-ADW742

Chemical Properties

CAS No. : 475488-23-4
 Formula: C₂₈H₃₁N₅O
 Molecular Weight: 453.58
 Appearance: no data available
 Storage: keep away from moisture, store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NVP-ADW742 (ADW) is an IGF-1R inhibitor with IC ₅₀ 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 ₅₀)	Apoptosis, IGF-1R

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 10 mg/mL (22.04 mM), Heating is recommended. Ethanol: 3 mg/mL (6.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481