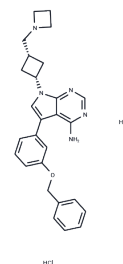


## AEW541 HCl

## Chemical Properties

CAS No. :	2320261-63-8
Formula:	C <sub>27</sub> H <sub>31</sub> Cl <sub>2</sub> N <sub>5</sub> O
Molecular Weight:	512.47
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	AEW541, also known as NVP-AEW541, is a novel, potent IGF-1R kinase inhibitor. NVP-AEW541 is capable of distinguishing between the IGF-1R (IC <sub>50</sub> = 0.086 μM) and the closely related InsR (IC <sub>50</sub> = 2.3 μM) in cells. NVP-AEW541 abrogates IGF-1-mediated survival and colony formation in soft agar at concentrations that are consistent with inhibition of IGF-1R autophosphorylation. Note: AEW541 has a Cis-configuration on the cyclobutane ring. Its CAS# is 475489-16-8. Many vendors and Sc-finder scholar made mistake - AEW541 was mistakenly listed as CAS#475488-34-7, the trans-isomer of AEW541. The correct structure of AEW541 can be confirmed from Joel Slade, et al (from Novartis), Org. Process Res. Dev. 2007, 11, 5, 825-835.
Targets(IC <sub>50</sub> )	Others, Autophagy, IGF-1R

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9513 mL	9.7567 mL	19.5133 mL
5 mM	0.3903 mL	1.9513 mL	3.9027 mL
10 mM	0.1951 mL	0.9757 mL	1.9513 mL
50 mM	0.039 mL	0.1951 mL	0.3903 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.

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: 34 Washington Street, Wellesley Hills, MA 02481