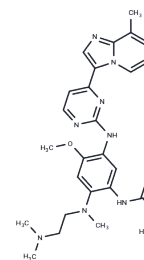


YK-029A

Chemical Properties

CAS No. : 2064269-82-3
 Formula: C₂₇H₃₂N₈O₂
 Molecular Weight: 500.6
 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	YK-029A (Pravonertinib) is a potent, highly selective inhibitor of EGFR T790M mutations and EGFR exon 20 insertions (exon 20 insertion mutations) that demonstrates significant anti-tumor proliferation potential.
Targets(IC50)	EGFR
In vitro	YK-029A (Pravonertinib) is a selective inhibitor of EGFR T790M mutations and EGFR ex20ins, anti-tumor.
In vivo	YK-029A demonstrated significant antitumor efficacy in EGFRex20ins-driven PDX mouse models following oral administration, not only inhibiting tumor growth but also inducing substantial tumor regression.

Solubility Information

Solubility	DMSO: 80 mg/mL (159.81 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	1.9976 mL	9.988 mL	19.976 mL
5 mM	0.3995 mL	1.9976 mL	3.9952 mL
10 mM	0.1998 mL	0.9988 mL	1.9976 mL
50 mM	0.040 mL	0.1998 mL	0.3995 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

Stephen S Antonyamy, et al. Fragment-based discovery of hepatitis C virus NS5b RNA polymerase inhibitors. Bioorg Med Chem Lett. 2008 May 1;18(9):2990-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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