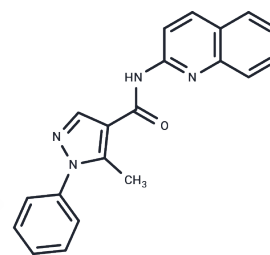


YW2036

Chemical Properties

CAS No. : 2131223-92-0
 Formula: C₂₀H₁₆N₄O
 Molecular Weight: 328.37
 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	YW2036 is an inhibitor of Wnt signaling pathway.
Targets(IC50)	Wnt/beta-catenin
In vitro	The inhibitory potency of the synthesized compounds against the Wnt signaling pathway was determined using the Wnt-HEK293 luciferase gene reporter assay that was described previously. Compound YW2036 (1a) had an IC ₅₀ value of 2.2 nM[1].

Solubility Information

Solubility	DMSO: 45 mg/mL (137.04 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	3.0453 mL	15.2267 mL	30.4535 mL
5 mM	0.6091 mL	3.0453 mL	6.0907 mL
10 mM	0.3045 mL	1.5227 mL	3.0453 mL
50 mM	0.0609 mL	0.3045 mL	0.6091 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

Yang W, et al. Pyrazole-4-Carboxamide (YW2065): A Therapeutic Candidate for Colorectal Cancer via Dual Activities of Wnt/ β -Catenin Signaling Inhibition and AMP-Activated Protein Kinase (AMPK) Activation. J Med Chem. 2019 Dec 26;62(24):11151-11164.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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