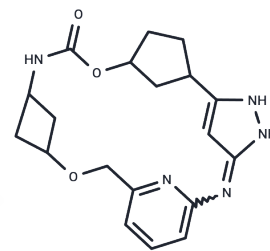


QR-6401

## Chemical Properties

CAS No. : 2845096-18-4  
 Formula: C<sub>19</sub>H<sub>23</sub>N<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 369.42  
 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	QR-6401, a selective macrocyclic CDK2 inhibitor, is orally active with IC <sub>50</sub> values of 0.37 nM for CDK2/E1, 10 nM for CDK9/T1, 22 nM for CDK1/A2, 34 nM for CDK6/D3, and 45 nM for CDK4/D1. It exhibits potent antitumor activity in the OVCAR3 ovarian cancer xenograft model, indicating its potential for use in cancer research [1].
Targets(IC <sub>50</sub> )	CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7069 mL	13.5347 mL	27.0695 mL
5 mM	0.5414 mL	2.7069 mL	5.4139 mL
10 mM	0.2707 mL	1.3535 mL	2.7069 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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

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