

GDC-4198

## Chemical Properties

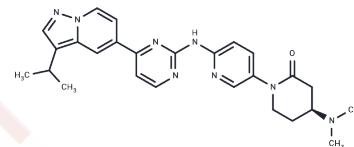
CAS No. : 2531743-46-9

Formula: C<sub>26</sub>H<sub>30</sub>N<sub>8</sub>O

Molecular Weight: 470.57

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	GDC-4198 (Compound EX.161) is an orally active, blood-brain barrier-penetrating small-molecule inhibitor that selectively inhibits the cyclin-dependent kinases CDK2, CDK4, and CDK6. GDC-4198 exerts its antiproliferative effects by inhibiting the phosphorylation of retinoblastoma protein (pRb) through the disruption of cyclin-CDK complex activity, thereby interfering with the cell cycle. GDC-4198 shows potential for application in the treatment of tumors such as hormone receptor-positive/HER2-negative breast cancer, lung cancer, and colorectal cancer.
Targets(IC50)	CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1251 mL	10.6254 mL	21.2508 mL
5 mM	0.425 mL	2.1251 mL	4.2502 mL
10 mM	0.2125 mL	1.0625 mL	2.1251 mL
50 mM	0.0425 mL	0.2125 mL	0.425 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

Xiaowei Wu, et al. Cdk inhibitors and their use as pharmaceuticals. Patent WO2022133215.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481