

## Zotiraciclib citrate

## Chemical Properties

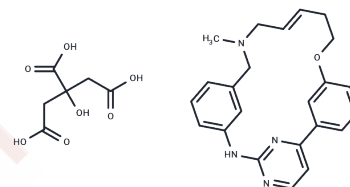
CAS No. : 1204918-73-9

Formula: C<sub>29</sub>H<sub>32</sub>N<sub>4</sub>O<sub>8</sub>

Molecular Weight: 564.59

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

Zotiraciclib (also known as TG02 and SB1317) is an innovative small-molecule compound with potent inhibitory effects on CDK, JAK2, and FLT3. By inhibiting cyclin-dependent kinase 9 (CDK9) and depleting Myc, it serves as a treatment for cancers that can penetrate the blood-brain barrier. Zotiraciclib is one of the numerous CDK inhibitors under investigation; other compounds targeting CDK9, utilized for treating acute myeloid leukemia, include alvocidib and atuvaciclib. Myc overexpression is a known factor in many cancers, with 80% of glioblastomas exhibiting this characteristic.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7712 mL	8.856 mL	17.712 mL
5 mM	0.3542 mL	1.7712 mL	3.5424 mL
10 mM	0.1771 mL	0.8856 mL	1.7712 mL
50 mM	0.0354 mL	0.1771 mL	0.3542 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

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