

AZD-7648

## Chemical Properties

CAS No. : 2230820-11-6

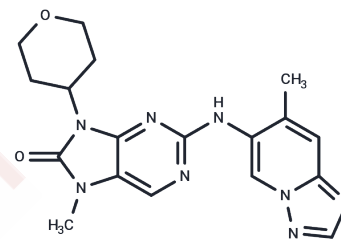
Formula: C<sub>18</sub>H<sub>20</sub>N<sub>8</sub>O<sub>2</sub>

Molecular Weight: 380.4

Store at low temperature

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	AZD-7648 is an inhibitor of DNA-dependent protein kinase (DNA-PK) with the IC <sub>50</sub> of 0.63 nM in an enzyme assay, has anti-tumor activity.
Targets(IC <sub>50</sub> )	Apoptosis, ATM/ATR, DNA-PK, PI3K

## Solubility Information

Solubility	DMSO: 9.52 mg/mL (25.03 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	2.6288 mL	13.1441 mL	26.2881 mL
5 mM	0.5258 mL	2.6288 mL	5.2576 mL
10 mM	0.2629 mL	1.3144 mL	2.6288 mL
50 mM	0.0526 mL	0.2629 mL	0.5258 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

Maurice Raymond Verschoyle Finlay, et al. Amino-triazolopyridine compounds and their use in treating cancer. WO2018114999A1.

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

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