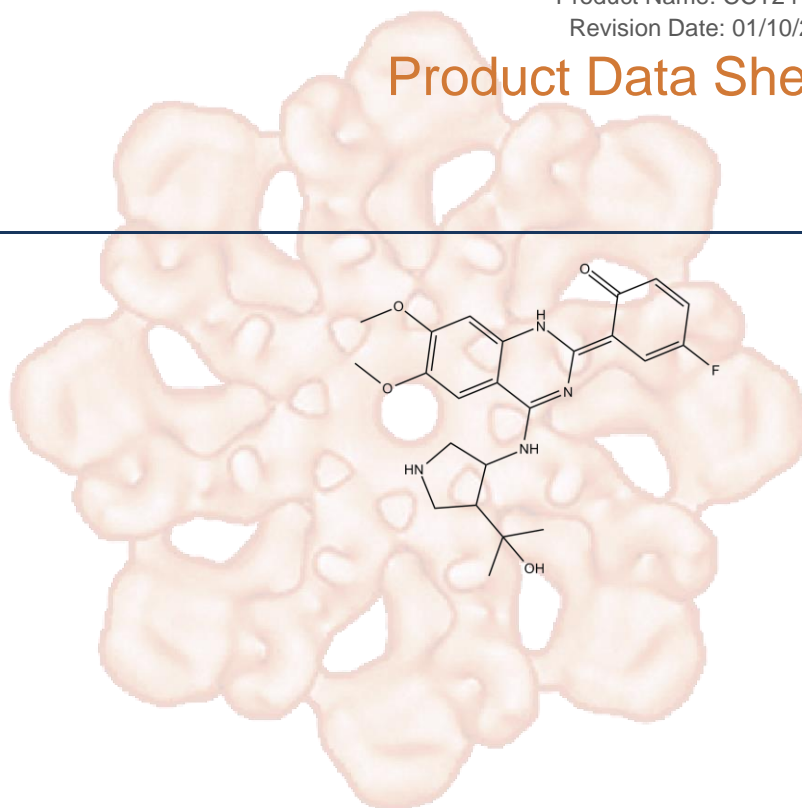


## CCT241533

<b>Cat. No.:</b>	A3291
<b>CAS No.:</b>	1262849-73-9
<b>Formula:</b>	C23H27FN4O4
<b>M.Wt:</b>	442.48
<b>Synonyms:</b>	CCT 241533;CCT-241533
<b>Target:</b>	Cell Cycle/Checkpoint
<b>Pathway:</b>	Chk
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

Soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		2.2600 mL	11.2999 mL	22.5999 mL
	5 mM		0.4520 mL	2.2600 mL	4.5200 mL
	10 mM		0.2260 mL	1.1300 mL	2.2600 mL

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary

Potent Chk2 inhibitor

 IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Cell Line:	HeLa and HT-29 cells
Preparation method:	Soluble in DMSO. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	2.2 µmol/L for HeLa cells, 1.7 or 3 µmol/L for HT-29 cells; 24 hrs
Applications:	In the presence of CCT241533, HeLa (2.2 µmol/L CCT241533) and HT-29 cells (1.7 µmol/L CCT241533) exhibited enhanced sensitivity to AG14447. In HeLa

cells, the combination of CCT241533 (3  $\mu$ mol/L) and Olaparib showed significant potentiation.

In Vivo

### Animal experiment

Applications:

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

[1]. Anderson VE, Walton MI, Eve PD, Boxall KJ, Antoni L, Caldwell JJ, Aherne W, Pearl LH, Oliver AW, Collins I, Garrett MD. CCT241533 is a potent and selective inhibitor of CHK2 that potentiates the cytotoxicity of PARP inhibitors. *Cancer Res.* 2011;71(2):463-72.

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

[www.apexbt.com](http://www.apexbt.com)

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

