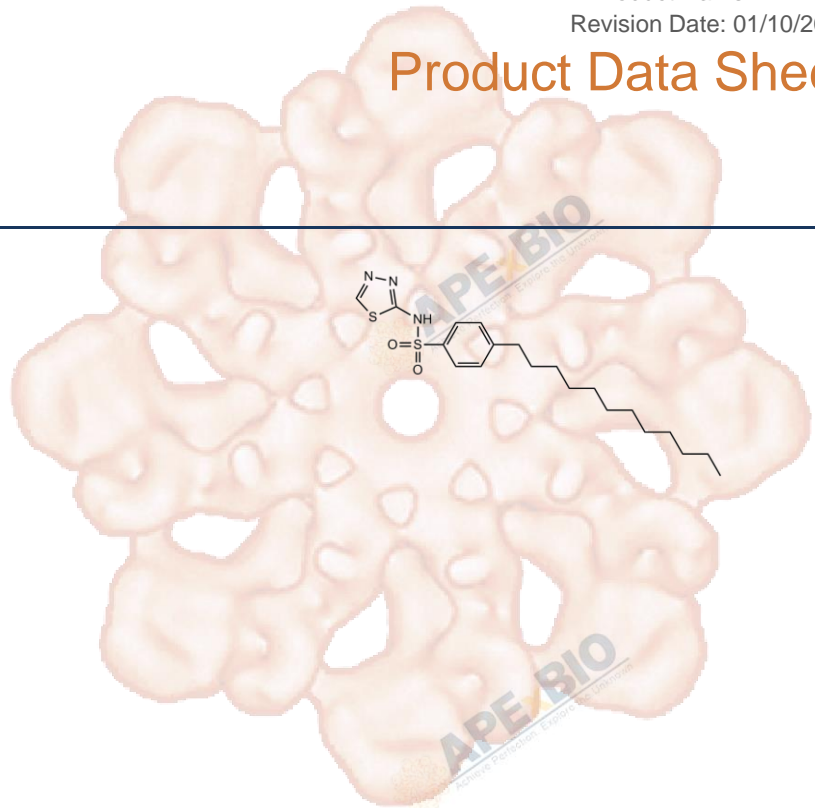


# Product Data Sheet

## PHT-427

<b>Cat. No.:</b>	A5884
<b>CAS No.:</b>	1191951-57-1
<b>Formula:</b>	C <sub>20</sub> H <sub>31</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>
<b>M.Wt:</b>	409.61
<b>Synonyms:</b>	
<b>Target:</b>	PI3K/Akt/mTOR Signaling
<b>Pathway:</b>	Akt
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; ≥20.5 mg/mL in DMSO; ≥51.1 mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	2.4413 mL	12.2067 mL	24.4135 mL
	<b>5 mM</b>	0.4883 mL	2.4413 mL	4.8827 mL
	<b>10 mM</b>	0.2441 mL	1.2207 mL	2.4413 mL

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

### Biological Activity

Shortsummary

Akt and PDPK1 inhibitor

IC<sub>50</sub> & Target

2.7 μM(Ki) (Akt), 5.2 μM(Ki) (PDK-1)

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

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

## References

## 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 APEX BIO 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.*

**APEX BIO Technology**

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