

# Product Data Sheet

## PF-05212384 (PKI-587)

<b>Cat. No.:</b>	B2179
<b>CAS No.:</b>	1197160-78-3
<b>Formula:</b>	C32H41N9O4
<b>M.Wt:</b>	615.73
<b>Synonyms:</b>	
<b>Target:</b>	GPCR/G protein
<b>Pathway:</b>	GPR109A
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; insoluble in EtOH; ≥15.4 mg/mL in DMSO with gentle warming

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	1.6241 mL	8.1204 mL	16.2409 mL
	<b>5 mM</b>	0.3248 mL	1.6241 mL	3.2482 mL
	<b>10 mM</b>	0.1624 mL	0.8120 mL	1.6241 mL

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

### Biological Activity

Shortsummary	PI3K $\alpha$ , PI3K $\gamma$ and mTOR inhibitor
IC <sub>50</sub> & Target	0.4 nM (PI3K $\alpha$ ), 1.6 nM (mTOR), 5.4 nM (PI3K $\gamma$ )

#### 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.*

**APExBIO Technology**

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