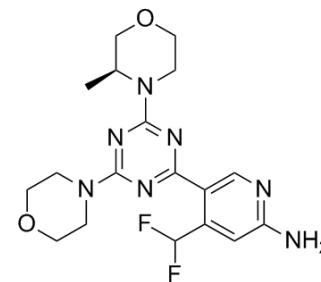


## PQR-530

Cat. No.:	HY-107365
CAS No.:	1927857-61-1
Molecular Formula:	C <sub>18</sub> H <sub>23</sub> F <sub>2</sub> N <sub>7</sub> O <sub>2</sub>
Molecular Weight:	407.42
Target:	PI3K; mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PQR-530 is a potent, oral and brain-penetrant dual pan-PI3K/mTORC1/2 inhibitor, exhibiting antitumor activity.		
<b>IC<sub>50</sub> &amp; Target</b>	PI3K	mTORC1	mTORC2
<b>In Vitro</b>	PQR-530 is a potent, oral and brain-penetrant dual pan-PI3K/mTORC1/2 inhibitor, exhibiting antitumor activity. PQR-530 inhibits all PI3K isoforms and mTOR complexes C1/2 potently and selectively. PQR-530 inhibits protein kinase B (PKB, pSer473) and ribosomal protein S6 (pS6, pSer235/236) phosphorylation with IC <sub>50</sub> values of 0.07 μM in A2058 melanoma cells. PQR-530 shows inhibitory activity against the growth of 44 cancer cell lines with mean GI <sub>50</sub> of 426 nM <sup>[1]</sup> .		

### REFERENCES

[1]. Denise Rageot, et al. Abstract 140: Discovery and biological evaluation of PQR530, a highly potent dual pan-PI3K/mTORC1/2 inhibitor. Cancer Res 2017;77(13 Suppl).

**Caution: Product has not been fully validated for medical applications. For research use only.**

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