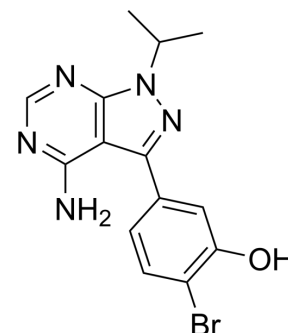


## PP487

<b>Cat. No.:</b>	HY-15268
<b>CAS No.:</b>	1092787-12-6
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>14</sub> BrN <sub>5</sub> O
<b>Molecular Weight:</b>	348.2
<b>Target:</b>	c-Met/HGFR; PI3K; DNA-PK; mTOR; Bcr-Abl; Src; VEGFR; EGFR; PDGFR
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK; PI3K/Akt/mTOR; Cell Cycle/DNA Damage; JAK/STAT Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PP487 is a dual inhibitor of tyrosine kinase/PI(3)Ks with IC <sub>50</sub> values of 0.017 μM, 0.072 μM, 0.004 μM, 0.01 μM, 0.55 μM, 0.22 μM, and < 0.01 μM against DNA-PK, mTOR, Hck, Src, EGFR, EphB4, and PDGFR, respectively. PP487 can be used for cancer research <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	p110α 0.046 μM (IC <sub>50</sub> )	p110β 0.24 μM (IC <sub>50</sub> )	p110δ 0.027 μM (IC <sub>50</sub> )	p110γ 0.1 μM (IC <sub>50</sub> )
	Abl 0.021 μM (IC <sub>50</sub> )	VEGFR2 0.055 μM (IC <sub>50</sub> )		

### REFERENCES

[1]. Apsel B, et al. Targeted polypharmacology: discovery of dual inhibitors of tyrosine and phosphoinositide kinases. Nat Chem Biol. 2008 Nov;4(11):691-9.

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

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