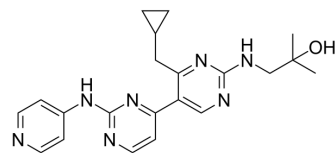


## Vps34-IN-4

Cat. No.:	HY-123058		
CAS No.:	1383716-46-8		
Molecular Formula:	C <sub>21</sub> H <sub>25</sub> N <sub>7</sub> O		
Molecular Weight:	391.47		
Target:	PI3K; Autophagy		
Pathway:	PI3K/Akt/mTOR; Autophagy		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

Vps34-IN-4 (compound 19) is a potent, selective, and orally active inhibitor of VPS34. Vps34-IN-4 inhibits the autophagy in vivo. Autophagy is a dynamic process that regulates lysosomal-dependent degradation of cellular components<sup>[1]</sup>.

### REFERENCES

[1]. Honda A, et al. Potent, Selective, and Orally Bioavailable Inhibitors of VPS34 Provide Chemical Tools to Modulate Autophagy in Vivo. ACS Med Chem Lett. 2015;7(1):72-76.

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

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