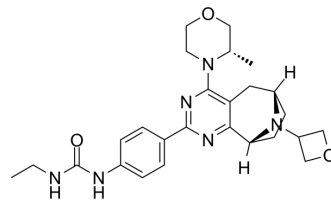


GNE-555

Cat. No.:	HY-13847
CAS No.:	1428902-71-9
Molecular Formula:	C ₂₆ H ₃₄ N ₆ O ₃
Molecular Weight:	478.59
Target:	mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

GNE-555 is a selective, metabolically stable mTOR inhibitor ($K_i=1.5$ nM) that also has good oral bioavailability. GNE-555 exhibits antiproliferative activity on PC3 and MCF-7 cells and can be used in cancer research^{[1][2]}.

REFERENCES

[1]. Estrada AA, et al. Pyrimidoaminotropanes as potent, selective, and efficacious small molecule kinase inhibitors of the mammalian target of rapamycin (mTOR). *J Med Chem.* 2013 Apr 11;56(7):3090-101.

[2]. Huang G, et al. Applications of oxetanes in drug discovery and medicinal chemistry. *Eur J Med Chem.* 2023 Dec 5;261:115802.

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

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