

Norleual TFA

Cat. No.:	HY-P1415A
Molecular Formula:	C ₄₃ H ₅₉ F ₃ N ₈ O ₉
Molecular Weight:	888.97
Target:	c-Met/HGFR; Angiotensin Receptor
Pathway:	Protein Tyrosine Kinase/RTK; GPCR/G Protein
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	Norleual TFA, an angiotensin (Ang) IV analog, is a hepatocyte growth factor (HGF)/c-Met inhibitor with an IC ₅₀ of 3 pM. Norleual TFA is an AT4 receptor antagonist and exhibits potent antiangiogenic activities ^[1] .
In Vitro	"Norleual TFA at 20 and 50 pM significantly reduces HGF-dependent c-Met and Gab1 phosphorylation. 20 pM Norleual TFA dramatically reduces HGF-initiated association between Gab1 and c-Met in HEK293 cells. Norleual TFA markedly attenuates HGF-dependent c-Met activation and downstream signaling ^[1] . Norleual TFA (1 pM-1 μM; 4 days) is able to inhibit HGF-dependent signaling, proliferation, migration, and invasion in multiple cell types at concentrations in the picomolar range in MDCK cells ^[1] ." MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Norleual TFA (50 μg/kg; intraperitoneal injection; daily; for 2 weeks; C57BL/6 mice) suppresses pulmonary colonization by B16-F10 murine melanoma cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Oncol Lett. 2020 Dec;20(6):287.

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REFERENCES

[1]. B J Yamamoto, et al. The angiotensin IV analog Nle-Tyr-Leu-psi-(CH₂-NH₂)₃-4-His-Pro-Phe (norleual) can act as a hepatocyte growth factor/c-Met inhibitor. J Pharmacol Exp Ther. 2010 Apr;333(1):161-73.

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

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