Norleual TFA

Cat. No.: HY-P1415A

Molecular Formula: $C_{43}H_{59}F_3N_8O_9$

Molecular Weight: 888.97

Target: c-Met/HGFR; Angiotensin Receptor

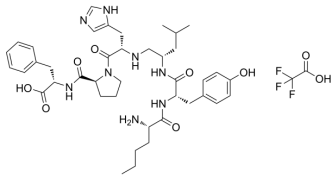
Pathway: Protein Tyrosine Kinase/RTK; GPCR/G Protein

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)



SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 50 mg/mL (56.24 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.1249 mL	5.6245 mL	11.2490 mL
5 mM	0.2250 mL	1.1249 mL	2.2498 mL
10 mM	0.1125 mL	0.5624 mL	1.1249 mL

Please refer to the solubility information to select the appropriate solvent.

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.

See more customer validations on www.MedChemExpress.com

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.

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