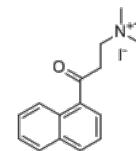


Product Name	: alpha-NETA
Cat. No.	: PC-21470
CAS No.	: 115066-04-1
Molecular Formula	: C ₁₆ H ₂₀ INO
Molecular Weight	: 369.25
Target	: Chemokine Receptor (CCR and CXCR)
Solubility	: 10 mM in DMSO



CAS: 115066-04-1

Biological Activity

alpha-NETA (α -NETA) is a small molecule antagonist of chemerin receptor chemokine-like receptor 1 (**CMKLR1**), inhibits chemerin-stimulated β -arrestin2 association with CMKLR1 with IC₅₀ of 4.9 μ M.

α -NETA also is a potent and noncompetitive **choline acetyltransferase** (ChA) inhibitor with IC₅₀ of 9 μ M.

α -NETA significantly suppresses experimental autoimmune encephalomyelitis (EAE) disease onset in vivo.

α -NETA reduces the clonogenicity and viability of neuroblastoma cell lines indicating the chemerin/CMKLR1 axis as a promoting factor in neuroblastoma tumorigenesis.

α -NETA impairs tumor growth in neuroblastoma SK-N-AS cells xenografts.

References

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- Aleksandrov AA, et al. *Neurosci Lett*. 2019 Jun 21;704:208-211.
- Graham KL, et al. *PLoS One*. 2014 Dec 1;9(12):e112925.
- Sastry BV, et al. *J Pharmacol Exp Ther*. 1988 Apr;245(1):72-80.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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