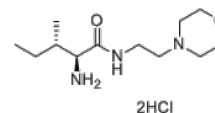


Product Name : LM11A-31 dihydrochloride
Cat. No. : PC-61489
CAS No. : 1243259-19-9
Molecular Formula : C₁₂H₂₅N₃O₂·2HCl
Molecular Weight : 316.27
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

LM11A-31 dihydrochloride is an orally available, brain penetrant **p75NTR ligand** that blocks p75-mediated cell death, also increases proliferation and survival of hippocampal neural progenitors.

LM11A-31 shows no effect on nerve growth factor (NGF) binding to TrkA.

LM11A-31 prevents and reverses atrophy of cholinergic neurites, as well as reversing AD pathologies in mid- to late-stage AD mice models.

References

Massa SM, et al. *J Neurosci.* 2006 May 17;26(20):5288-300.

Meeker RB, et al. *J Neuroimmune Pharmacol.* 2012 Jun;7(2):388-400.

Simmons DA, et al. *PLoS One.* 2014 Aug 25;9(8):e102136.

Meeker RB, et al. *Exp Neurol.* 2016 Jan;275 Pt 1:182-98.

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

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