

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	LM11A-31 dihydrochloride
Cat. No.		PC-61489
CAS No.	:	1243259-19-9
Molecular Formula	:	C12H25N3O2.2HCI
Molecular Weight		12 20 0 22
Target	:	Trk Receptor
Solubility	:	10 mM in DMSO

2HCI

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! E-mail: tech@probechem.com