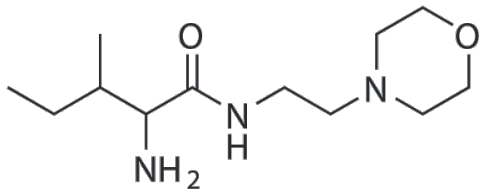
Product Data Sheet

Product Name: LM11A-31
Cat. No.: GC25581

Chemical Properties

Cas. No.	289475-77-0		
Formula	$C_{12}H_{25}N_3O_2$	M.Wt	243.35
Solubility	DMSO: 49 mg/mL (201.36 mM);Water: 49 mg/mL (201.36 mM);Ethanol: 49 mg/mL (201.36 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

LM11A-31 is a small molecule p75NTR Ligand that reverses cholinergic neurite dystrophy in alzheimer's diseasemousemodels with mid- to late-stage disease progression.

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

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LM11A-31 greatly reduces or eliminates the neuronal pathology as well as the FIV effects on astrocytes and microglia in an infectious in vitro model, indicating an excellent potential for the treatment of HIV-associated neurodegeneration.[1]

LM11A-31 is a small molecular $p75^{NTR}$ ligand, which reverses cholinergic neurite dystrophy in mice with advanced Alzheimer's disease.[2]

[1] Meeker RB, et al. J Neuroimmune Pharmacol. 2012 Jun;7(2):388-400. "[2] Danielle A Simmons, et al. PLoS One . 2014 Aug 25;9(8):e102136.