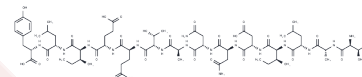


## Prosaptide TX14(A)

## Chemical Properties

CAS No. :	196391-82-9
Formula:	C69H110N16O26
Molecular Weight:	1579.72
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Potent GPR37L1 and GPR37 agonist (EC50 values are 5 and 7 nM, respectively). Stimulates signaling through pertussis toxin-sensitive G proteins. Stimulates ERK phosphorylation. Protects against cellular stress. Promotes myelin lipid synthesis and prolongs cell survival in both Schwann cells and oligodendrocytes; neuroprotective and glioprotective.
Targets(IC50)	Orphan Receptor

## Solubility Information

Solubility	H2O: 2 mg/mL (1.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.633 mL	3.1651 mL	6.3302 mL
5 mM	0.1266 mL	0.633 mL	1.266 mL
10 mM	0.0633 mL	0.3165 mL	0.633 mL
50 mM	0.0127 mL	0.0633 mL	0.1266 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hiraiwa et al (1997) Cell death prevention, mitogen-activated protein kinase stimulation, and increased sulfatide concentrations in Schwann cells and oligodendrocytes by prosaposin and prosaptides. Proc.Natl.Acad.Sci.USA. 94 4778 PMID:

Meyer et al (2013) GPR37 and GPR37L1 are receptors for the neuroprotective and glioprotective factors prosaptide and prosaposin. Proc.Natl.Acad.Sci.USA. 110 9529 PMID:

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