

BDNF (human)

Chemical Properties

CAS No. :	218441-99-7
Formula:	NA
Molecular Weight:	26984
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	Member of the neurotrophin growth factor family that binds and activates TrkB and p75 neurotrophin receptors. Enhances the survival, growth and differentiation of neurons. BDNF expression is altered in neurodegenerative disorders such as Parkinson's and Alzheimer's disease.
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Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0371 mL	0.1853 mL	0.3706 mL
5 mM	0.0074 mL	0.0371 mL	0.0741 mL
10 mM	0.0037 mL	0.0185 mL	0.0371 mL
50 mM	0.0007 mL	0.0037 mL	0.0074 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

- Lipsky and Marini (2007) Brain-derived neurotrophic factor in neuronal survival and behavior-related plasticity. Ann.N.Y.Acad.Sci. 1122 130 PMID:
- Evans and Barker (2008) Neurotrophic factors as a therapeutic target for Parkinson's disease. Expert Opin.Ther. Targets 12 437 PMID:

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