

Data Sheet (Cat.No.TP2069)

BDNF (human)

Chemical Properties

CAS No.: 218441-99-7
 Formula: NA
 Molecular Weight: 26984
 Appearance: N/A
 Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

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

	1mg	5mg	10mg
1 mM	0.037 mL	0.185 mL	0.371 mL
5 mM	0.007 mL	0.037 mL	0.074 mL
10 mM	0.004 mL	0.019 mL	0.037 mL
50 mM	0.001 mL	0.004 mL	0.007 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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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