

[Ala107]-MBP (104-118) acetate(99026-77-4 free base)

Chemical Properties

CAS No.:	TP1887L1	
Formula:	C59H108N20O21	GKGAGLSLSRFSWGA(acetate salt)
Molecular Weight:	1553.72	
Appearance:	N/A	
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).	

Biological Description

Description	[Ala107]-MBP (104-118) acetate is synthetic peptide analog of bovine myelin basic protein (MBP). Non-competitive inhibitor of PKC (IC50 = 46 - 145 nM).
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.644 mL	3.218 mL	6.436 mL
5 mM	0.129 mL	0.644 mL	1.287 mL
10 mM	0.064 mL	0.322 mL	0.644 mL
50 mM	0.013 mL	0.064 mL	0.129 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

- Su et al (1986) Synthetic myelin basic protein peptide analogs are specific inhibitors of phospholipid/calcium-dependent protein kinase (protein kinase C). *Biochem.Biophys.Res.Commun.* 134 78 PMID:
- Turner et al (1985) Substrate specificity of phospholipid/Ca²⁺ dependent protein kinase as probed with synthetic peptide fragments of the bovine myelin basic protein. *J.Biol.Chem.* 260 11503 PMID:

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