PRODUCT INFORMATION

Myelin Basic Protein (87-99) (human, bovine, rat) (trifluoroacetate salt)
Item No. 24546

CAS Registry No.: 118506-26-6
Formal Name: L-valyl-L-histidyl-L-phenylalanyl-L-phenylalanyl-
L-lysyl-L-asparaginyl-L-isoleucyl-L-valyl-L-
threonyl-L-prolyl-L-arginyl-L-threonyl-L-proline, trifluoroacetate salt

Synonym: MBP
MF: C_{74}H_{114}N_{20}O_{17} • XCF_{3}COOH
FW: 1,555.8
Purity: ≥95%
Supplied as: A lyophilized powder
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Myelin basic protein (MPB) (87-99) (human, bovine, rat) (trifluoroacetate salt) is supplied as a lyophilized powder. A stock solution may be made by dissolving the MBP (87-99) (human, bovine, rat) (trifluoroacetate salt) in water. The solubility of MBP (87-99) (human, bovine, rat) (trifluoroacetate salt) in water is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

MPB (87-99) is an encephalitogenic peptide.\(^1,2\) Active immunization with MBP (87-99) induces experimental autoimmune encephalomyelitis (EAE) in SJL/J mice and Lewis rats. It induces T cell and microglial activation and MHC class II expression in the spinal cord and decreases latency to paw withdrawal in response to mechanical and thermal stimuli in rats without inducing paralysis.\(^3\) Intranasal administration of MBP (87-99), alone or in combination with MBP (68-86), prior to immunization with guinea pig MBP (gp-MBP) confers protection against EAE induction in Lewis rats.\(^4\)

References