



LKT Laboratories, Inc.

Proteolipid Protein (139-151)

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID P4560

CAS No. 122018-58-0

Chemical Name

Synonym PLP

Formula $C_{72}H_{104}N_{20}O_{17}$

Formula Wt. 1521.7

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (2 mg/mL).

His-Ser-Leu-Gly-Lys-Trp-Leu-
Gly-His-Pro-Asp-Lys-Phe

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P4560	1 mg	\$189.00
P4560	5 mg	\$724.70

Store Temp -20°C

Ship Temp Ambient

Description Proteolipid protein (PLP, 139-151) is the immunodominant peptide fragment of PLP. This peptide is endogenously expressed in the central nervous system and is commonly used to induce experimental autoimmune encephalitis (EAE), an autoimmune disease similar to multiple sclerosis, in animal models.

References Soellner IA, Rabe J, Mauri V, et al. Differential aspects of immune cell infiltration and neurodegeneration in acute and relapse experimental autoimmune encephalomyelitis. Clin Immunol. 2013 Dec;149(3):519-29. PMID: 24239839.

Nicolò C, Sali M, Di Sante G, et al. Mycobacterium smegmatis expressing a chimeric protein MPT64-proteolipid protein (PLP) 139-151 reorganizes the PLP-specific T cell repertoire favoring a CD8-mediated response and induces a relapsing experimental autoimmune encephalomyelitis. J Immunol. 2010 Jan 1;184(1):222-35. PMID: 19949067.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.