GENAXXON bioscience

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Multiple Sclerosis Peptide - PLP (139-151)

Product	Cat#	Package size
PLP (139-151) TFA salt (>70% - HPLC 214nm)	P2273.7005	5mg
PLP (139-151) TFA salt (>95% - HPLC 214nm)	P2273.9501	1mg
PLP (139-151) TFA salt (>95% - HPLC 214nm)	P2273.9505	5mg

Sequence
HCLGKWLGHPDKF
His-Cys-Leu-Gly-Lys-Trp-Leu-Gly-His-Pro-Asp-Lys-Phe

Synonyms
Myelin proteolipid protein (PLP) residues 139-151

CAS
Not available

MW / Formula
1537.8g/mol / $C_{72}H_{104}N_{20}O_{16}S$

Counter ion
TFA

Description
Multiple sclerosis (MS), an autoimmune disease of the central nervous system (CNS), is characterized by primary demyelination. It is widely thought that this is the result of an autoimmune attack against myelin components.

Potential target antigens in MS are proteins of the myelin sheath such as myelin oligodendrocyte glycoprotein (MOG), myelin basic protein (MBP), and proteolipid protein (PLP). Experimental autoimmune encephalomyelitis (EAE) has proven to be a particularly useful animal model. T cell epitopes of MOG for the induction of EAE in mice have been identified

Packaging
The peptide is provided as a lyophilised, colourless powder without any additives. It can be shipped at ambient temperature and should be stored at -20°C.

Reconstitution
PLP (139-151) can be reconstituted in water (5mg/mL). Through the use of a sonicator, a homogenous solution can be prepared. If you use an ultrasonic bath, take care of the vial labels.

Storage
After reconstitution, the solution should be aliquoted and stored at or below -20°C.
Repeated freeze-thawing cycles should be avoided.

Handling
Caution, not fully tested. Good laboratory technique should be employed in the safe handling of any peptide product. If you are not fully trained or are unaware of the hazards involved, do not use this compound!

Caution: Do not take internally! Avoid contact by all modes of exposure. Wear appropriate laboratory attire including a lab coat, gloves, mask and safety glasses. Do not mouth pipette, inhale, ingest or allow coming into contact with open wounds. Wash thoroughly any area of the body which comes into contact with the product. Avoid accidental autoinoculation by exercising extreme care when handling in conjunction with any injection device.

This product is intended for research purposes by qualified personnel only. It is not intended for use in humans or as a diagnostic agent. Genaxxon bioscience GmbH is not liable for any damages resulting from misuse or handling of this product.

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