



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## [Leu144,Arg147]-PLP (139-151)

Cat. No.:	HY-P10456
CAS No.:	188859-65-6
Molecular Formula:	C <sub>67</sub> H <sub>110</sub> N <sub>20</sub> O <sub>17</sub>
Molecular Weight:	1467.71
Sequence:	His-Ser-Leu-Gly-Lys-Leu-Leu-Gly-Arg-Pro-Asp-Lys-Phe
Sequence Shortening:	HSLGKLLGRPDKF
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	[Leu144,Arg147]-PLP (139-151) is a mutant peptide fragment of myelin proteolipid protein (PLP), with the tryptophan and histidine at positions 144 and 147 respectively replaced by leucine and arginine. [Leu144,Arg147]-PLP (139-151) also serves as a T cell receptor (TCR) antagonist for encephalitogenic Th1 clones, blocking their activation in vitro. Furthermore, [Leu144,Arg147]-PLP (139-151) can inhibit the development of experimental autoimmune encephalomyelitis (EAE) <sup>[1]</sup> .
IC <sub>50</sub> & Target	T cell receptor(TCR) <sup>[1]</sup> .

### REFERENCES

[1]. Nicholson LB, et al. A T cell receptor antagonist peptide induces T cells that mediate bystander suppression and prevent autoimmune encephalomyelitis induced with multiple myelin antigens. Proc Natl Acad Sci U S A. 1997 Aug 19;94(17):9279-84.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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