Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

MOG (35-55)

Product overview

Name	MOG (35-55)
Cat No	HB5273
Biological action	Agonist
Purity	>95%
Description	Myelin oligodendrocyte glycoprotein fragment. Induces experimental multiple sclerosis-like disease.

Biological Data

Biological description	Myelin oligodendrocyte glycoprotein fragment which is a component of CNS myelin. Induces experimental multiple sclerosis-like disease and induces T-cell mediated multiple sclerosis models. Also induces tolerogenic dendritic cells and supresses disease development in multiple sclerosis models when co-administered with ITE.

Solubility & Handling

Solubility overview	Soluble in water (1 mg/ml)
Storage instructions	-20°C
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions	Stable for ambient temperature shipping. Follow storage instructions on receipt.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Molecular Weight	2581.97
Molecular Formula	$C_{118}H_{177}N_{35}O_{29}S$
CAS Number	149635-73-4
PubChem identifier	24868190
Source	Synthetic
InChiKey	JMTCEFUSRHYJBF-DDJPMISGSA-N
Appearance	White solid

References

Rat and human myelin oligodendrocyte glycoproteins induce experimental autoimmune encephalomyelitis by different mechanisms in C57BL/6 mice.

Oliver AR et al (2003) Journal of immunology (Baltimore, Md. : 1950) 171

PubMedID 12817031

Reduced suppressive effect of CD4+CD25high regulatory T cells on the T cell immune response against myelin oligodendrocyte glycoprotein in patients with multiple sclerosis.

Haas J et al (2005) European journal of immunology 35

PubMedID	16206232