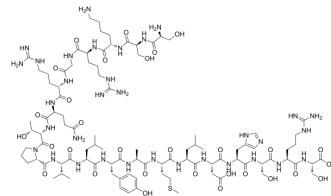


Peripheral Myelin P0 Protein (180-199), mouse

Cat. No.:	HY-P2476
CAS No.:	147450-30-4
Molecular Formula:	C ₉₆ H ₁₆₁ N ₃₃ O ₃₀ S
Molecular Weight:	2289.57
Sequence:	Ser-Ser-Lys-Arg-Gly-Arg-Gln-Thr-Pro-Val-Leu-Tyr-Ala-Met-Leu-Asp-His-Ser-Arg-Ser
Sequence Shortening:	SSKRGRQTPVLYAMLDHSRS
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (7.28 mM; Need ultrasonic)
 H₂O : 1 mg/mL (0.44 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.4368 mL	2.1838 mL	4.3676 mL
	5 mM	0.0874 mL	0.4368 mL	0.8735 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 50 mg/mL (21.84 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.11 mg/mL (0.48 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.11 mg/mL (0.48 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.11 mg/mL (0.48 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Peripheral Myelin P0 Protein (180-199), mouse, a neuritogenic peptide, is a purified component of murine peripheral nerve myelin^{[1][2]}.

CUSTOMER VALIDATION

- J Neuroinflammation. 2023 May 22;20(1):122.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Lei Bao, et al. The critical role of IL-12p40 in initiating, enhancing, and perpetuating pathogenic events in murine experimental autoimmune neuritis. Brain Pathol. 2002 Oct;12(4):420-9.
- [2]. L P Zou, et al. P0 protein peptide 180-199 together with pertussis toxin induces experimental autoimmune neuritis in resistant C57BL/6 mice. J Neurosci Res. 2000 Dec 1;62(5):717-21.
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Caution: Product has not been fully validated for medical applications. For research use only.

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