Epobis

®

MedChemExpress

Cat. No.:	НҮ-Р3585
CAS No.:	915091-83-7
Molecular Formula:	C ₁₀₀ H ₁₅₁ N ₂₇ O ₂₉
Molecular Weight:	2195.44
Sequence Shortening:	NENITVPDTKVNFYAWKR
Target:	TNF Receptor
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL AG				
Description	Epobis promotes neurit	eptide, is a recombinant form of erythropoietin. Epobis is a potent erythropoietin receptor agonist ogenesis in primary motoneurons. Epobis decrease TNF release and crosses the blood-brain barrie natory and memory enhancing properties ^[1] .		
In Vitro	stimulation at 0.33 μM ^{[1} Epobis (0-8.82 μM; 24 h)	Epobis (0-8.82 μM) stimulates neurite outgrowth from motor neurons in a dose-dependent manner with maximal stimulation at 0.33 μM ^[1] . Epobis (0-8.82 μM; 24 h) reduces release of TNF and improves the survival of the L929 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[1]		
	Cell Line:	L929 cells		
	Concentration:	0-8.82 μM		
	Incubation Time:	24 hours		
	Result:	Had a significantly higher viability of 64% in a concentration of 8.4 μ M, whereas the highest viability (68%) in a concentration of 2.7 μ M.		
In Vivo	Epobis (10 mg/kg; i.h.) h Epobis (10 mg/kg; i.h.; o	Epobis (10 mg/kg; i.h.; Wistar rats) can cross the blood-brain barrier (BBB) ^[1] . Epobis (10 mg/kg; i.h.) has an anti-inflammatory effect in mice of multiple sclerosis model ^[1] . Epobis (10 mg/kg; i.h.; old (>18 month) rats and in rats experiencing early stage AD) improves social memory ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		
	Animal Model:	Wistar rats (200 g) ^[1]		
	Dosage:	10 mg/kg		
	Administration:	Subcutaneous injection; once		
	Result:	Had detectable already 15 min after administration and remained detectable in the blood		

Animal Model:	Wistar rats with multiple sclerosis model (200 g) $^{[1]}$
Dosage:	10 mg/kg
Administration:	Subcutaneous injection; once
Result:	Had no significant effects on the weight changes or the survival of experimenta autoimmune encephalomyelitis (EAE) animals.
Animal Model:	Old (>18 month) rats and in rats experiencing early stage AD ^[1]
Animal Model: Dosage:	Old (>18 month) rats and in rats experiencing early stage AD ^[1] 10 mg/kg

REFERENCES

[1]. Dmytriyeva O, et, al. Epobis is a Nonerythropoietic and Neuroprotective Agonist of the Erythropoietin Receptor with Anti-Inflammatory and Memory Enhancing Effects. Mediators Inflamm. 2016;2016:1346390.

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