

Peptide5 TFA

Cat. No.:	HY-P2275B
Molecular Formula:	C ₆₂ H ₉₉ F ₃ N ₁₆ O ₂₂ S
Molecular Weight:	1509.6
Sequence:	Val-Asp-Cys-Phe-Leu-Ser-Arg-Pro-Thr-Glu-Lys-Thr
Sequence Shortening:	VDCFLSRPTEKT
Target:	Gap Junction Protein; NOD-like Receptor (NLR)
Pathway:	Cytoskeleton; Immunology/Inflammation
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description

Peptide5 TFA, a connexin 43 mimetic peptide, reduces animals swelling, astrogliosis, and neuronal cell death after spinal cord injury. Peptide5 TFA also inhibits NLRP3 inflammasome, and is an anti-inflammatory agent^{[1][2][3]}.

REFERENCES

- [1]. Simon J O'Carroll, et al. Connexin 43 mimetic peptides reduce swelling, astrogliosis, and neuronal cell death after spinal cord injury. Cell Commun Adhes. 2008 May;15(1):27-42.
- [2]. Yilin Mao, et al. Characterisation of Peptide5 systemic administration for treating traumatic spinal cord injured rats. Exp Brain Res. 2017 Oct;235(10):3033-3048.
- [3]. Tonkin RS, et al. Attenuation of mechanical pain hypersensitivity by treatment with Peptide5, a connexin-43 mimetic peptide, involves inhibition of NLRP3 inflammasome in nerve-injured mice. Exp Neurol. 2018 Feb;300:1-12.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA