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DATASHEET

FSLLRY-NH2

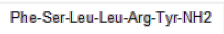
Product overview

Name	FSLLRY-NH2
Cat No	HB3309
Biological description	FSLLRY-NH2 is a selective PAR₂ peptide antagonist. The peptide has been shown to block paclitaxel induced neuropathic pain in a dose- and time-dependent manner and to also inhibit itch-related behaviour in mice. Additionally, it prevents fibrosis in spontaneously hypertensive rats. Active <i>in vivo</i>.
Alternative names	FSLLRY, FS
Biological action	Antagonist
Purity	>95%
Description	Selective PAR ₂ peptide antagonist

Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (1 mg/ml)
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

Chemical name	FSLLRY-NH2 (modifications: Tyr-6 = C-terminal amide)
Molecular Weight	796.97
Chemical structure	
Molecular Formula	C ₃₉ H ₆₀ N ₁₀ O ₈
Sequence (one letter)	FSLLRY-NH2
Modifications	Tyr-6 = C-terminal amide
CAS Number	245329-02-6
PubChem identifier	73352412
SMILES	<chem>CC(C)C[C@@H](C(=O)N[C@@H](CCCN=C(N)N)C(=O)N[C@@H](CC1=CC=C(C=C1)O)C(=O)N)N</chem> <chem>C(=O)[C@H](CC(C)C)NC(=O)[C@H](CO)NC(=O)[C@H](CC2=CC=CC=C2)N</chem>
InChIKey	KMSCNWHRNILNRJ-JNRWAQIZSA-N

References

Proteinase-activated receptor 2 sensitizes transient receptor potential vanilloid 1, transient receptor potential vanilloid 4, and transient receptor potential ankyrin 1 in paclitaxel-induced neuropathic pain.

Chen et al (2011) Neuroscience. 193

PubMedID [21763756](#)

Tryptase/Protease-activated receptor 2 interactions induce selective mitogen-activated protein kinase signaling and collagen synthesis by cardiac fibroblasts.

McLarty et al (2011) Hypertension 58(2)

PubMedID [21730297](#)

Protease-activated receptors and itch.

Akiyama et al (2015) Handb Exp Pharmacol. 226

PubMedID [25861783](#)
