

FSLLRY-NH2 TFA(245329-02-6 free base)

Chemical Properties

CAS No. :

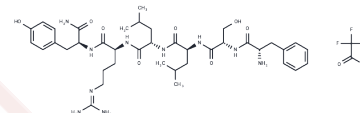
Formula: C41H61F3N10O10

Molecular Weight: 910.99

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	FSLLRY-NH2 TFA is a protease-activated receptor 2 (PAR2) inhibitor. Reverses taxol-induced mechanical allodynia, heat hyperalgesia and PKC activation in ICR mice. Blocks ERK activation and collagen production in isolated cardiac fibroblasts. Also reduces symptoms in a mouse model of dermatophyte-associated itch.
Targets(IC50)	Protease-activated Receptor

Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0977 mL	5.4885 mL	10.9771 mL
5 mM	0.2195 mL	1.0977 mL	2.1954 mL
10 mM	0.1098 mL	0.5489 mL	1.0977 mL
50 mM	0.022 mL	0.1098 mL	0.2195 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- McLarty et al (2011) Tryptase/protease-activated receptor 2 interactions induce selective mitogen-activated protein kinase signaling and collagen synthesis by cardiac fibroblasts. Hypertension 58 264 PMID:
- Chen et al (2011) Proteinase-activated receptor 2 sensitizes transient receptor potential vanilloid 1, transient receptor potential vanilloid 4, and transient receptor potential ankyrin 1 in PaCT.-induced neuropathic pain. Neuroscience 193 440 PMID:
- Andoh et al (2012) Involvement of serine protease and proteinase-activated receptor 2 in dermatophyte-associated itch in mice. J.Pharmacol.Exp.Ther. 343 91 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481