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ProductInformation

Ser-Leu-Ile-Gly-Lys-Val-NH_2
trifluoroacetate salt
Product Number **S 9192**
Storage Temperature –20°C

Cas #: 190383-13-2
Synonyms: SLIGKV-NH_2

Product Description

Molecular Formula: $C_{34}H_{48}N_8O_7$
Molecular Weight: 614.8

Ser-Leu-Ile-Gly-Lys-Val-NH_2 (SLIGKV-NH_2) is a selective proteinase-activated receptor 2 (PAR2)-activating peptide corresponding to the tethered ligand sequence of human PAR2.[1] PAR2 is activated by a synthetic peptide (SLIGKV) that is exposed after the trypsin cleavage of the amino terminus.[2] SLIGKV-NH_2, a potent mitogen for vascular smooth muscle cells, stimulates proliferation of growth-arrested cells. SLIGKV-NH_2 also induces a prompt increase in cellular cytosolic calcium ion concentration.[3]

Reagent

Ser-Leu-Ile-Gly-Lys-Val-NH_2 is supplied as a solid.
Purity: ≥ 95% (HPLC)

Precautions and Disclaimer

For R & D use only. Not for drug, household or other uses.
Consult the MSDS for information regarding hazards and safe handling practices.

Preparation Instructions

Ser-Leu-Ile-Gly-Lys-Val-NH_2 is soluble in water at 5 mg/ml.

Storage/Stability

Store at –20 °C.

References

1. Hollenberg, M.D., and Compton, S.J., International Union of Pharmacology. XXVIII. Proteinase-Activated Receptors. Pharmacol. Rev., **54**, 213-217 (2002).
2. Bono, F., et al., Induction of vascular smooth muscle cell growth by selective activation of the proteinase-activated receptor 2 (PAR2). Biochem. Biophys. Res. Commun., **241**, 762-764 (1997).
3. Bohn, S.K., et al. Molecular cloning, expression and potential functions of the human proteinase-activated receptor-2. Biochem. J., **314**, 1009-1016 (1996).

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