

## Product Information

### PAR 2 (1-6) mouse, rat

Catalog Number **S9317**  
Storage Temperature  $-20\text{ }^{\circ}\text{C}$

Synonyms: SLIGRL-NH<sub>2</sub>, PAR2-AP,  
Ser-Leu-Ile-Gly-Arg-Leu-amide trifluoroacetate salt

#### Product Description

Molecular Formula: C<sub>29</sub>H<sub>56</sub>N<sub>7</sub>O<sub>10</sub> · C<sub>2</sub>HF<sub>3</sub>O<sub>2</sub>  
Molecular Weight: 770.84 (anhydrous)

PAR 2 (1-6) mouse, rat (SLIGRL-NH<sub>2</sub>) is a selective proteinase-activated receptor 2 (PAR2)-activating peptide corresponding to the six amino acid residues (SLIGRL) constituting the N-terminus of mouse/rat PAR2.<sup>1,2</sup>

The synthetic peptide Ser-Leu-Ile-Gly-Arg-Leu-amide activates both mutant and wild-type PAR2 receptors.<sup>2</sup> Acting as an agonist of proteinase-activated receptor 2, it significantly facilitated gastric pepsin secretion in rats.<sup>3</sup>

#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Preparation Instructions

Ser-Leu-Ile-Gly-Arg-Leu-amide is soluble in aqueous buffer.

#### Storage/Stability

Store at the product at  $-20\text{ }^{\circ}\text{C}$ .

#### References

1. Hollenberg, M.D., and Compton, S.J., International Union of Pharmacology. XXVIII. Proteinase-Activated Receptors. *Pharmacol. Rev.*, **54**, 213-217 (2002).
2. Nystedt, S. et al., Molecular cloning of a potential proteinase activated receptor. *Proc. Natl. Acad. Sci. USA*, **91**, 9208-9212 (1994).
3. Kawao, N. et al., Protease-activated receptor 2 (PAR2) in the rat gastric mucosa: immunolocalization and facilitation of pepsin/pepsinogen secretion. *Br. J. Pharmacol.*, **135**, 1292-1296 (2002).

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