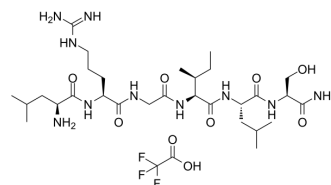


## LRGILS-NH2 TFA

<b>Cat. No.:</b>	HY-P1312A
<b>Molecular Formula:</b>	C <sub>31</sub> H <sub>57</sub> F <sub>3</sub> N <sub>10</sub> O <sub>9</sub>
<b>Molecular Weight:</b>	770.84
<b>Sequence:</b>	Leu-Arg-Gly-Ile-Leu-Ser-NH <sub>2</sub>
<b>Sequence Shortening:</b>	LRGILS-NH <sub>2</sub>
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## SOLVENT & SOLUBILITY

### In Vitro

DMSO : ≥ 100 mg/mL (129.73 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.2973 mL	6.4864 mL	12.9729 mL
	5 mM	0.2595 mL	1.2973 mL	2.5946 mL
	10 mM	0.1297 mL	0.6486 mL	1.2973 mL

Please refer to the solubility information to select the appropriate solvent.

### In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (3.24 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

LRGILS-NH<sub>2</sub> TFA is a reverse-sequence protease-activated receptor-2 (PAR-2)-inactive, negative control, and SLIGRL-NH<sub>2</sub> is a PAR-2-activating peptide<sup>[1]</sup>.

## REFERENCES

[1]. Nishikawa H, Kawai K, Tanaka M, et al. Protease-activated receptor-2 (PAR-2)-related peptides induce tear secretion in rats: involvement of PAR-2 and non-PAR-2 mechanisms. *J Pharmacol Exp Ther.* 2005;312(1):324-331.

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

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