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## DATASHEET

TFLLR-NH2

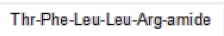
### Product overview

<b>Name</b>	TFLLR-NH2
<b>Cat No</b>	HB2921
<b>Biological description</b>	TFLLR-NH2 is a selective PAR <sub>1</sub> (protease-activated receptor-1) activating peptide. It is commonly used to activate platelets and has also been shown to elicit scratching in mice. Active <i>in vivo</i> .
<b>Alternative names</b>	TFLLR, TF-NH2
<b>Biological action</b>	Activator
<b>Purity</b>	>95%
<b>Description</b>	Selective PAR <sub>1</sub> activating peptide

### Solubility & Handling

<b>Storage instructions</b>	-20°C
<b>Solubility overview</b>	Soluble in water (1 mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

### Chemical Data

<b>Chemical name</b>	TFLLR (modifications: C-terminal amide)
<b>Molecular Weight</b>	647.82
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>76</sub> H <sub>104</sub> N <sub>18</sub> O <sub>19</sub> S <sub>2</sub>
<b>Sequence (one letter)</b>	TFLLR
<b>Modifications</b>	C-terminal amide
<b>CAS Number</b>	197794-83-5
<b>PubChem identifier</b>	10146183
<b>SMILES</b>	<chem>C[C@H]([C@@H](C(=O)N[C@@H](CC1=CC=CC=C1)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCNC(=O)N)C(=O)N)N)O</chem>
<b>InChIKey</b>	ANAMCEKSRDPIPX-GFGQVAFXSA-N
<b>MDL number</b>	MFCD05663482

### References

#### A role for proteinase-activated receptor-1 in inflammatory bowel diseases.

Vergnolle et al (2004) J Clin Invest. 114(10)

**PubMedID** [15545995](#)

#### Activation of platelet protease-activated receptor-1 induces epithelial-mesenchymal transition and chemotaxis of colon cancer cell line SW620.

Jia et al (26718652) Oncol Rep 35(2)

#### Activation of proteinase-activated receptors induces itch-associated response through histamine-dependent and -independent pathways in mice.

Tsuji et al (2008) J Pharmacol Sci. 108(3)

