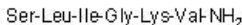


## Product datasheet

# SLIGKV-NH<sub>2</sub>, Protease-activated receptor 2 (PAR2) agonist ab141809

[2 Images](#)

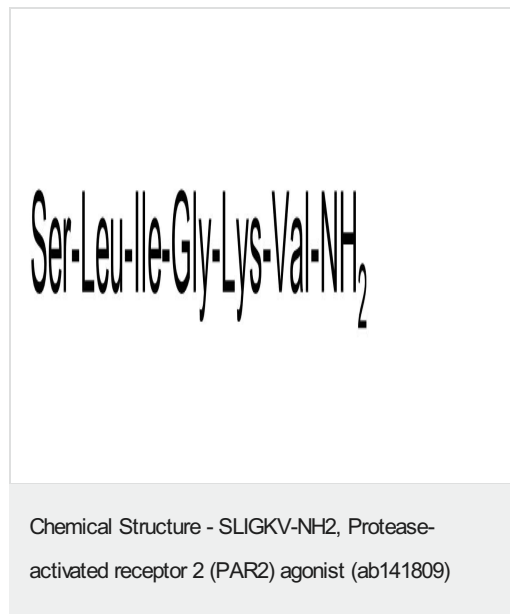
### Overview

<b>Product name</b>	SLIGKV-NH <sub>2</sub> , Protease-activated receptor 2 (PAR2) agonist
<b>Description</b>	Protease-activated receptor 2 (PAR2) agonist
<b>Biological description</b>	Protease-activated receptor 2 (PAR2) agonist (K <sub>i</sub> = 9.64 μM and IC <sub>50</sub> = 10.4 μM). Tethered ligand of PAR2. Proteolysis of this extracellular domain results in self-activation of this G protein-coupled receptor. Involved in cellular homeostasis and pathology.
<b>Purity</b>	> 98%
<b>CAS Number</b>	190383-13-2
<b>Chemical structure</b>	

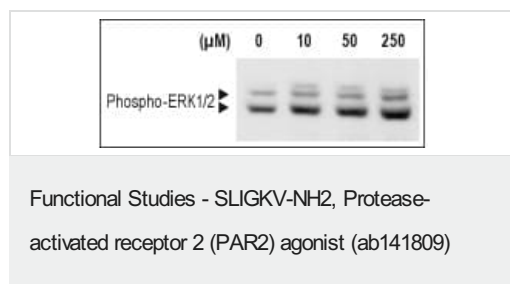
### Properties

<b>Molecular weight</b>	614.78
<b>Molecular formula</b>	C <sub>28</sub> H <sub>54</sub> N <sub>8</sub> O <sub>7</sub>
<b>Sequence</b>	SLIGKV (Modifications: C-terminal amide)
<b>PubChem identifier</b>	10483914
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 5 mg/ml
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>CC[C@H](C)[C@@H](C(=O)NCC(=O)N[C@@H](CCCCN)C(=O)N[C@@H](C(C)C)C(=O)N)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CO)N</chem>

## Images



2D chemical structure image of ab141809, SLIGKV-NH<sub>2</sub>,  
Protease-activated receptor 2 (PAR2) agonist



SLIGKV-NH<sub>2</sub> induces MAPK activation in MDA-231 cells via PAR2 activation.

MDA-231 cells were stimulated with 10, 50 and 250 μM SLIGKV-NH<sub>2</sub> (ab141809) for 15 min. Cell proteins were resolved by SDS-PAGE and probed with anti-phospho-ERK1/2.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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