



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

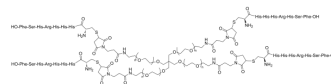
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Vasculotide

Cat. No.:	HY-P10580
CAS No.:	1359657-45-6
Target:	Tie
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Vasculotide, an angiopoietin-1 mimetic, is a Tie-2 activator and induces Tie-2 phosphorylation. Vasculotide has anti-inflammatory effect and anti-permeability. Vasculotide ameliorates endotoxin-induced endothelial barrier dysfunction. Vasculotide promotes angiogenesis in a mouse model of diabetic ulcer. Vasculotide protects mice from vascular leakage and reduces mortality in murine abdominal sepsis. Vasculotide decreases microvascular leakage and improves microcirculatory perfusion in a rat model of hemorrhagic shock<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. David S, et al. Effects of a synthetic PEG-ylated Tie-2 agonist peptide on endotoxemic lung injury and mortality. *Am J Physiol Lung Cell Mol Physiol*. 2011 Jun;300(6):L851-62.
- [2]. Kumpers P, et al. The synthetic tie2 agonist peptide vasculotide protects against vascular leakage and reduces mortality in murine abdominal sepsis. *Crit Care*. 2011;15(5):R261.
- [3]. Trieu M, et al. Vasculotide, an Angiopoietin-1 Mimetic, Restores Microcirculatory Perfusion and Microvascular Leakage and Decreases Fluid Resuscitation Requirements in Hemorrhagic Shock. *Anesthesiology*. 2018 Feb;128(2):361-374.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA