



# 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

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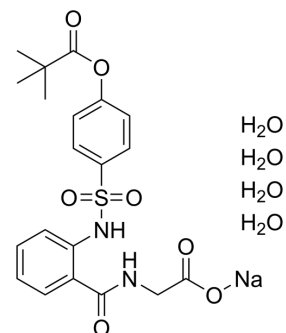
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## Sivelestat sodium tetrahydrate (Standard)

Cat. No.:	HY-17443BR
CAS No.:	201677-61-4
Molecular Formula:	C <sub>20</sub> H <sub>29</sub> N <sub>2</sub> NaO <sub>11</sub> S
Molecular Weight:	528.51
Target:	Elastase; SARS-CoV
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Sivelestat (sodium tetrahydrate) (Standard) is the analytical standard of Sivelestat (sodium tetrahydrate). This product is intended for research and analytical applications. Sivelestat (EI546) sodium tetrahydrate is a competitive inhibitor of human neutrophil elastase, with an IC<sub>50</sub> of 44 nM and a K<sub>i</sub> of 200 nM. Sivelestat (EI546) sodium tetrahydrate has the potential for the study of acute lung injury/acute respiratory distress syndrome or disseminated intravascular coagulation in COVID-19<sup>[1][2][3][4]</sup>.

### REFERENCES

- [1]. Kawabata K, et al. ONO-5046, a novel inhibitor of human neutrophil elastase. *Biochem Biophys Res Commun*. 1991 Jun 14;177(2):814-20.
- [2]. Yuichiro Toda, et al. A neutrophil elastase inhibitor, sivelestat, ameliorates lung injury after hemorrhagic shock in rats. *Int J Mol Med*. 2007 Feb;19(2):237-43.
- [3]. Tomoharu Kono, et al. Neutrophil elastase inhibitor, sivelestat sodium hydrate prevents ischemia-reperfusion injury in the rat bladder. *Mol Cell Biochem*. 2008 Apr;311(1-2):87-92.
- [4]. Adeleh Sahebnaasagh, et al. Neutrophil elastase inhibitor (sivelestat) may be a promising therapeutic option for management of acute lung injury/acute respiratory distress syndrome or disseminated intravascular coagulation in COVID-19. *J Clin Pharm Ther*. 2020 Aug 28.

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

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