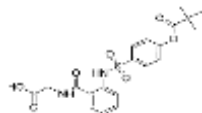


PRODUCT: Sivelestat**ALTERNATE NAMES:** 2-(2-(4-(pivaloyloxy)phenylsulfonamido)benzamido)acetic acid; ONO-5046**CATALOG NUMBER:** B2144-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₂₂N₂O₇S**MOLECULAR WEIGHT:** 434.46**CAS NUMBER:** 127373-66-4**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>40 mg/ml)**PURITY:** ≥97% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Sivelestat (ONO-5046) is a potent neutrophil elastase inhibitor. It acts as a substrate-competitive, and highly specific inhibitor of neutrophil elastase (IC₅₀ = 19-49 nM in rat, rabbit, hamster, human, and mouse leukocyte elastase). Sivelestat displays >100-fold greater selectivity over pancreatic elastase (IC₅₀ = 5.6 μM). It does not inhibit trypsin, thrombin, plasmin, kallikrein, chymotrypsin, and cathepsin G even at concentrations as high as 100 μM.**REFERENCE:** Li, G., *et al.* (2016). *J. Mol. Med.* **38**, 767-775.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Avelestat (**B1653**)
Elastase Inhibitor (**1922**)
Elastase Inhibitor, SPCK (**1921**)
Elastase Substrate, Fluorogenic (**1975**)
Elastase, Human Neutrophil (**4716**)
Elastase, Porcine Pancreas (**7538**)
Elastatinal (**9629**)
Neutrophil Elastase Inhibitor Screening Kit (**K782**)
Neutrophil Elastase Activity Assay Kit (**K383**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**