

Sivelestat, Leukocyte elastase inhibitor

| Catalog | Unit |
|--------------|-------|
| TBI1102-5MG | 5 mg |
| TBI1102-25MG | 25 mg |

Product Details

Formal Name: N-{2-[(4-[(2,2-Dimethylpropanoyl)oxy]phenyl)sulfonyl]amino}benzoyl}glycine sodium

Alternate Names: ONO-5046

Molecular Formula: C₂₀H₂₁N₂O₇

Formula Weight: 456.45

CAS Number: 127373-66-4

Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml).

Storage: RT

Stability: ≥ 1 year.

Applications

Leukocyte elastase inhibitor

Functions

Potent and selective leukocyte elastase inhibitor, IC₅₀ = 44 nM. Displays no activity at a variety of other proteases. Inhibits NF-κB activation and LTB₄-induced neutrophil migration in vitro. Significantly attenuates ischemia-induced spinal cord injury, decreases serum cytokine levels and reduces acute inflammatory lung injury in vivo.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer.

For research use only.