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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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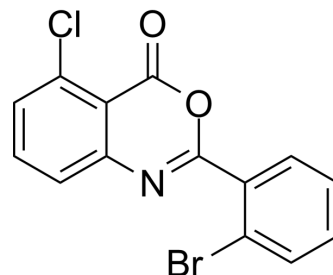
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Neutrophil elastase inhibitor 3

Cat. No.:	HY-132132
CAS No.:	1234707-32-4
Molecular Formula:	C ₁₄ H ₇ BrClNO ₂
Molecular Weight:	336.57
Target:	Elastase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Neutrophil elastase inhibitor 3 (compound 13), a benzoxazinone analog, shows effects on superoxide anion generation and exhibits as a neutrophil elastase (NE) inhibitor, with an IC ₅₀ of 80.8 nM for NE release ^[1] .
In Vivo	Neutrophil elastase inhibitor 3 (compound 13, 1 mg/kg of body weight, intravenously) significantly attenuates the increase in myeloperoxidase (MPO) activity and edema in the lung of rats after trauma-hemorrhagic shock ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Synthesis and evaluation of benzoxazinone derivatives on activity of human neutrophil elastase and on hemorrhagic shock-induced lung injury in rats. Eur J Med Chem. 2010 Jul;45(7):3111-5.

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

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