



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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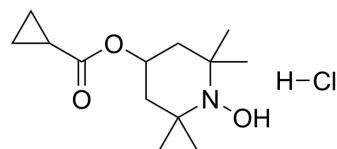
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OT-551

Cat. No.:	HY-W556870
CAS No.:	627085-15-8
Molecular Formula:	C ₁₃ H ₂₄ ClNO ₃
Molecular Weight:	277.79
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	OT-551 is a NF-κB inhibitor with antioxidant and anti-inflammatory effects. OT-551 has the potential for retinal diseases research ^{[1][2]} .	
In Vivo	OT-551 (25-100 mg/kg; ip; once) provides RPE cell protection against acute light damage in albino rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Sprague-Dawley (SD) albino rats (6-7 weeks of age) exposure to 2700 lux white fluorescent light ^[1]
	Dosage:	25, 50, or 100 mg/kg
	Administration:	ip; once
	Result:	Retinal pigment epithelium (RPE) damage index was significantly lower in the animals.

REFERENCES

- [1]. Masaki Tanito, et al. Protection of retinal pigment epithelium by OT-551 and its metabolite TEMPOL-H against light-induced damage in rats. *Exp Eye Res.* 2010 Jul;91(1):111-4.
- [2]. S. A. Mousa, et al. Anti-Angiogenesis Efficacy of the Novel NF-κB and Oxidative Stress Inhibitor, OT-551. ARVO Annual Meeting Abstract.

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

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