



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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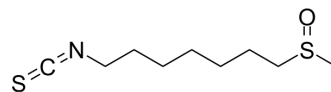
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7-Methylsulfinylheptyl isothiocyanate

Cat. No.:	HY-W721119
CAS No.:	129244-98-0
Molecular Formula:	C ₉ H ₁₇ NOS ₂
Molecular Weight:	219.37
Target:	p38 MAPK; Autophagy
Pathway:	MAPK/ERK Pathway; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

7-Methylsulfinylheptyl isothiocyanate is an activator for MAPK signaling pathway, which downregulates the melanogenesis related proteins and suppresses the melanin synthesis in B16-F1 cells. 7-Methylsulfinylheptyl isothiocyanate induces autophagy. 7-Methylsulfinylheptyl isothiocyanate is an inducer for phase II enzyme, which exhibits chemoprotective effect against carcinogen. 7-Methylsulfinylheptyl isothiocyanate can be used as cosmetic ingredient for skin whitening and anti-inflammation^{[1][2]}.

REFERENCES

[1]. Rose P, et al., 7-Methylsulfinylheptyl and 8-methylsulfinyloctyl isothiocyanates from watercress are potent inducers of phase II enzymes. *Carcinogenesis*. 2000 Nov;21(11):1983-8.

[2]. Kim AJ, et al., Effect of 7-Methylsulfinylheptyl Isothiocyanate on the Inhibition of Melanogenesis in B16-F1 Cells. *Life (Basel)*. 2021 Feb 20;11(2):162.

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

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