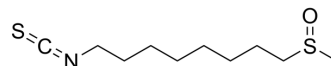


## 8-Methylsulfinyloctyl isothiocyanate

Cat. No.:	HY-115770
CAS No.:	75272-81-0
Molecular Formula:	C <sub>10</sub> H <sub>19</sub> NOS <sub>2</sub>
Molecular Weight:	233.39
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	8-Methylsulfinyloctyl isothiocyanate, an isothiocyanate, has antimicrobial activity and remarkable inhibitory activity against plant growth <sup>[1]</sup> . 8-Methylsulfinyloctyl isothiocyanate impair COX-2 mediated inflammatory responses in LPS stimulated raw macrophages <sup>[2]</sup> .
<b>In Vitro</b>	8-methylsulphinyloctyl isothiocyanate (1-10 μM), constituent of watercress, suppresses LPS induced production of nitric oxide and prostaglandin E2 in RAW 264.7 macrophages <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jun Kawabata, et al, 8-Methylsulfinyloctyl Isothiocyanate as an Allelochemical Candidate from *Rorippa sylvestris* Besser, Agricultural and Biological Chemistry, Volume 53, Issue 12, 1 December 1989, Pages 3361–3362.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA