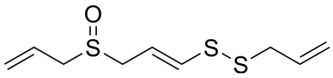
(E)-Ajoene

Cat. No.:	HY-106784A
CAS No.:	92284-99-6
Molecular Formula:	$C_9H_{14}OS_3$
Molecular Weight:	234.4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(E)-Ajoene is a oxygenated ajoene and organosulfur compound, which can be acquired via allicin decomposing. The polysulfides from garlic can be converted by human red blood cells into hydrogen sulfide (H2S) and allyl glutathione. (E)-Ajoene has been proved to show neuroprotective effects against ischemic damage. (E)-Ajoene is orally active to inhibit lipid peroxidation. (E)-Ajoene increases the number of cresyl violet-positive neurons and decreases the number of reactive gliosis in the CA1 region[1][2].

REFERENCES

[1]. Rakshit D, et al. The Pharmacological Activity of Garlic (Allium sativum) in Parkinson's Disease: From Molecular Mechanisms to the Therapeutic Potential. ACS Chem Neurosci. 2023 Mar 15;14(6):1033-1044.

[2]. Yoo DY, et al. Neuroprotective effects of Z-ajoene, an organosulfur compound derived from oil-macerated garlic, in the gerbil hippocampal CA1 region after transient forebrain ischemia. Food Chem Toxicol. 2014 Oct;72:1-7.

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