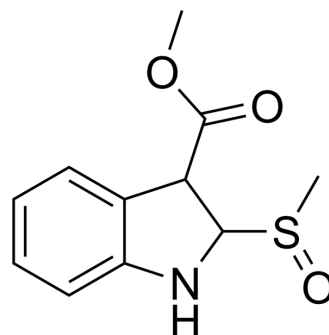


Brassicinate A sulfoxide

Cat. No.:	HY-N11854
Molecular Formula:	C ₁₁ H ₁₃ NO ₃ S
Molecular Weight:	239.29
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Brassicinate A sulfoxide has herbicidal activity. Brassicinate A sulfoxide inhibits the biosynthesis of essential amino acids in plants. Brassicinate A sulfoxide binds to dihydroxyacid dehydratase (DHAD), hydroxymethylpyruvate dioxygenase (HPPD), acetolactate synthase (ALS), PYL family proteins and transport inhibitor response 1 (TIR1), and reduces their activity. Brassicinate A sulfoxide can be isolated from *Brassica oleracea*^[1].

REFERENCES

[1]. Wang Y, et al. Isolation and Identification of Herbicidal Active Compounds from *Brassica oleracea* L. and Exploration of the Binding Sites of Brassicinate A Sulfoxide. *Plants* (Basel). 2023 Jul 7;12(13):2576.

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

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