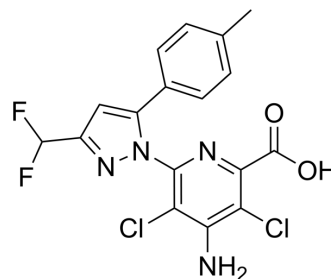


## Herbicide agent 4

Cat. No.:	HY-158163
Molecular Formula:	C <sub>17</sub> H <sub>12</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	413.21
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Herbicide agent 4 (compound V-2) is an auxinic herbicidal agent. Herbicide agent 4 may also be an immune activator while upregulating the defense genes and increasing content of jasmonic acid <sup>[1]</sup> .
In Vitro	Herbicide agent 4 (1 μM, 9 d) leads to a 97.04% inhibitory activity for Arabidopsis thaliana col-0 strain root growth, and 85.29% inhibitory activity for afb5 strain root growth <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Liu Q, et al. Investigation into the Synthesis, Bioactivity, and Mechanism of Action of the Novel 6-Pyrazolyl-2-picolinic Acid as a Herbicide. J Agric Food Chem. 2024 Apr 17;72(15):8840-8848.

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

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