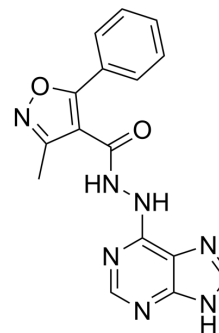


## Herbicide safener-2

Cat. No.:	HY-158245
CAS No.:	3027836-84-3
Molecular Formula:	C <sub>16</sub> H <sub>13</sub> N <sub>7</sub> O <sub>2</sub>
Molecular Weight:	335.32
Target:	Acetolactate Synthase (ALS)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Herbicide safener-2 (Compound III-7) is a herbicide safener with the same pharmacokinetic profile as the safener mefenpyr-diethyl (HY-136376). Herbicide safener-2 competitively binds to the acetolactate synthase (ALS) active site with mesosulfuron-methyl (HY-126987). Herbicide safener-2 protects crops against herbicide injury<sup>[1]</sup>.

### REFERENCES

[1]. Peng J, et al. Design, Synthesis, and Biological Evaluation of Novel Purine Derivatives as Herbicide Safeners. J Agric Food Chem. 2024 Apr 10.

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

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