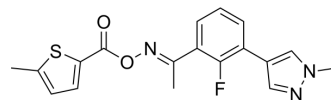


## PPO-IN-5

Cat. No.:	HY-157160
Molecular Formula:	C <sub>18</sub> H <sub>16</sub> FN <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	357.4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PPO-IN-5 (compound 9) is a herbicide based on PPO inhibitors. PPO, protoporphyrinogen oxidase, participates in the biosynthetic pathway of heme and chlorophyll synthesis. PPO-IN-5 is tolerant in cereal crops such as wheat, corn, and rice, and is a potential herbicide in wheat fields <sup>[1]</sup> .
IC <sub>50</sub> & Target	Protoporphyrinogen oxidase (PPO, EC 1.3.3.4) <sup>[1]</sup>

### REFERENCES

[1]. Zhao LX et al. Design, synthesis and biological activity determination of novel phenylpyrazole protoporphyrinogen oxidase inhibitor herbicides. Pestic Biochem Physiol. 2023 Nov;196:105588.

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

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