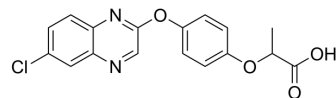


## Quizalofop

Cat. No.:	HY-123307
CAS No.:	76578-12-6
Molecular Formula:	C <sub>17</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	344.75
Target:	Acetyl-CoA Carboxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Quizalofop (Xylafox) is a herbicide that inhibits acetyl-CoA carboxylase (ACCase) to reduce the synthesis of fatty acids. Quizalofop can be used to screen EMS (HY-W015854) mutated microalgae for research on improving the performance of microalgae biofuel production<sup>[1][2]</sup>.

### REFERENCES

- [1]. Tanadul OU, et al. EMS-induced mutation followed by quizalofop-screening increased lipid productivity in *Chlorella* sp. *Bioprocess Biosyst Eng.* 2018 May;41(5):613-619.
- [2]. González-Torralva, et al. "Quizalofop resistance in weedy rice (*Oryza sativa* L.) is mainly conferred by an Ile1781Leu mutation." *Plant Science* 336 (2023): 111838. González-Torralva, et al. "Quizalofop resistance in weedy rice (*Oryza sativa* L.) is mainly conferred by an Ile1781Leu mutation." *Plant Science* 336 (2023): 111838.

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

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