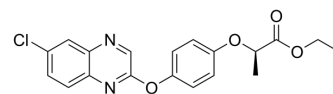


Quizalofop-p-ethyl

Cat. No.:	HY-B1950
CAS No.:	100646-51-3
Molecular Formula:	C ₁₉ H ₁₇ ClN ₂ O ₄
Molecular Weight:	372.8
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (268.24 mM)
 H₂O : < 0.1 mg/mL (insoluble)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6824 mL	13.4120 mL	26.8240 mL
	5 mM		0.5365 mL	2.6824 mL	5.3648 mL
	10 mM		0.2682 mL	1.3412 mL	2.6824 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Quizalofop-P-ethyl is a slightly toxic, selective, postemergence phenoxy herbicide, used to control annual and perennial grass weeds in potatoes, soybeans, sugar beets, peanuts vegetables, cotton and flax. Quizalofop-P-ethyl is absorbed from the leaf surface and is moved throughout the plant. Quizalofop-P-ethyl accumulates in the active growing regions of stems and roots.

REFERENCES

- [1]. Mantzos N, et al. Dissipation and transport of quizalofop-p-ethyl herbicide in sunflower cultivation under field conditions. Environ Sci Pollut Res Int. 2016 Feb;23(4):3481-90.
- [2]. Mantzos N, et al. Dissipation and transport of quizalofop-p-ethyl herbicide in sunflower cultivation under field conditions. Environ Sci Pollut Res Int. 2015 Oct 21.

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

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