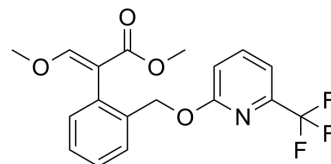


Picoxystrobin

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-136355 | | |
| CAS No.: | 117428-22-5 | | |
| Molecular Formula: | C ₁₈ H ₁₆ F ₃ NO ₄ | | |
| Molecular Weight: | 367.32 | | |
| Target: | Fungal | | |
| Pathway: | Anti-infection | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (272.24 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.7224 mL | 13.6121 mL | 27.2242 mL |
| | 5 mM | 0.5445 mL | 2.7224 mL | 5.4448 mL |
| | 10 mM | 0.2722 mL | 1.3612 mL | 2.7224 mL |

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Picoxystrobin is a primary strobilurin fungicide that is widely applied for plant disease control. Picoxystrobin inhibits mitochondrial respiration via blocking electron transfer at the Q_o center of cytochrome b and c1^[1].

REFERENCES

- [1]. Wei Jia, et al. Effects of two strobilurins (azoxystrobin and picoxystrobin) on embryonic development and enzyme activities in juveniles and adult fish livers of zebrafish (*Danio rerio*). Chemosphere. 2018 Sep;207:573-580.

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

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