

# 氟吡菌酰胺合成研究

# 摘要

农药在农业发展中不仅可以提高产量，还可以防治病虫。农药使用，在农业发展的同时，使用后遗留下的问题也很大的。残留和危害以及病菌的耐药性成为人类关注的焦点。研究和开发具有低毒、高效、低残留、环境友好型等特点的杀菌剂成为杀菌剂的发展的必然趋势，这些农药在很多方面都有很大的作用。

通过设计实验并查阅大量文献，推测出镁的倍数为 2.0，最佳温度约为 70℃，最佳 pH 值为 3 左右，最佳碱为  $K_2CO_3$ ，缚酸剂最佳的量为 1.2。最佳溶剂选择二氯乙烷。

关键词：杀菌剂;氟吡菌酰胺。

## Abstract

Pesticides can not only increase the output, but also prevent and control diseases and insect pests in agricultural development. The research of fungicides with the advantages of low toxicity, high efficiency, low residue and respect for the environment has become the development trend of fungicides. At this time, waste and damage, including antibiotics, remain a concern. The development of agriculture and the use of pesticides still encounter many problems. These pesticides have a great role in many aspects.

By designing experiments and consulting a large number of literatures, it is inferred that the multiple of magnesium is 2.0, the optimal temperature is about 70 °C, the optimal pH value is about 3, the optimal alkali is K<sub>2</sub>CO<sub>3</sub>, and the optimal amount of acid binding agent is 1.2. Dichloroethane is the best solvent.

Key words: fungicide; flupiramide.

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