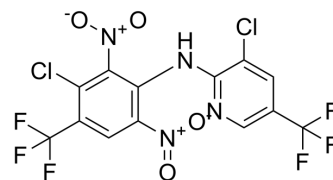


Fluazinam

| | | | |
|--------------------|---|-------|---------|
| Cat. No.: | HY-B1839 | | |
| CAS No.: | 79622-59-6 | | |
| Molecular Formula: | C ₁₃ H ₄ Cl ₂ F ₆ N ₄ O ₄ | | |
| Molecular Weight: | 465.09 | | |
| Target: | Fungal | | |
| Pathway: | Anti-infection | | |
| 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 : 125 mg/mL (268.77 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 2.1501 mL | 10.7506 mL | 21.5012 mL |
| | | 5 mM | 0.4300 mL | 2.1501 mL | 4.3002 mL |
| 10 mM | | 0.2150 mL | 1.0751 mL | 2.1501 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.47 mM); Clear solution | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.47 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | Fluazinam is a broad spectrum pyridinamine fungal inhibitor. |
| IC ₅₀ & Target | Fungal ^[1] |

REFERENCES

[1]. Hou YP, et al. Impact of fluazinam on morphological and physiological characteristics of *Sclerotinia sclerotiorum*. *Pestic Biochem Physiol.* 2019 Mar;155:81-89.

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

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