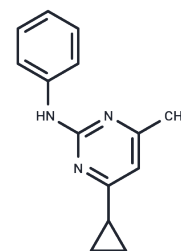


## Cyprodinil

## Chemical Properties

CAS No. :	121552-61-2
Formula:	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub>
Molecular Weight:	225.29
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Cyprodinil, an anilinopyrimidine broad-spectrum fungicide, inhibits methionine biosynthesis in phytopathogenic fungi, effectively limiting cell growth of <i>B. cinerea</i> , <i>P. herpotrichoides</i> , and <i>H. oryzae</i> on amino acid-free media with IC <sub>50</sub> values of 0.44, 4.8, and 0.03 μM, respectively. Additionally, in the absence of the androgen receptor (AR) agonist DHT, Cyprodinil acts as an AR agonist (EC <sub>50</sub> = 1.91 μM) and counters DHT's androgenic effects (IC <sub>50</sub> = 15.1 μM).
Targets(IC <sub>50</sub> )	Others, Androgen Receptor, Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4387 mL	22.1936 mL	44.3872 mL
5 mM	0.8877 mL	4.4387 mL	8.8774 mL
10 mM	0.4439 mL	2.2194 mL	4.4387 mL
50 mM	0.0888 mL	0.4439 mL	0.8877 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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