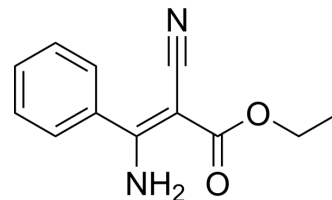


## Phenamacril

Cat. No.:	HY-122200
CAS No.:	39491-78-6
Molecular Formula:	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	216.24
Target:	Myosin; Fungal
Pathway:	Cytoskeleton; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Phenamacril (JS399-19) inhibits activity of myosin I non-competitively with an IC <sub>50</sub> of 360 nM through suppression of the ATPase activity, exhibits therefore an antifungal efficacy towards Fusarium species <sup>[1]</sup> .
IC <sub>50</sub> & Target	360 nM (FgMyo I)

### REFERENCES

[1]. Wollenberg RD, et al., Phenamacril is a reversible and noncompetitive inhibitor of Fusarium class I myosin. J Biol Chem. 2019 Jan 25;294(4):1328-1337.

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

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