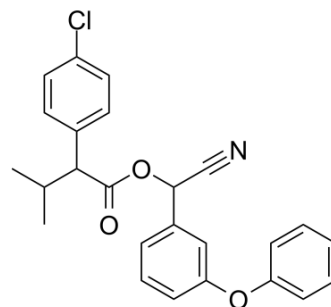


Fenvalerate

Cat. No.:	HY-B2006
CAS No.:	51630-58-1
Molecular Formula:	C ₂₅ H ₂₂ ClNO ₃
Molecular Weight:	419.9
Target:	Phosphatase; Bacterial
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Fenvalerate is a potent protein phosphatase 2B (calcineurin) inhibitor with an IC ₅₀ of 2-4 nM for PP2B-A α . Fenvalerate is a pyrethroid ester insecticide and acaricide ^[1] .
In Vitro	Fenvalerate is inactive for PP2B-B β ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. E Enan, et al. Specific Inhibition of Calcineurin by Type II Synthetic Pyrethroid Insecticides. *Biochem Pharmacol.* 1992 Apr 15;43(8):1777-84.
- [2]. A R Reilein, et al. Regulation of Organelle Movement in Melanophores by Protein Kinase A (PKA), Protein Kinase C (PKC), and Protein Phosphatase 2A (PP2A). *J Cell Biol.* 1998 Aug 10;142(3):803-13.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA