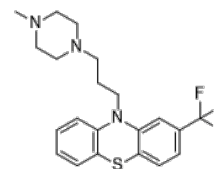


Product Name : Trifluoperazine
Cat. No. : PC-25621
CAS No. : 117-89-5
Molecular Formula : C₂₁H₂₄F₃N₃S
Molecular Weight : 407.50
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

Trifluoperazine dihydrochloride is an antiadrenergic, antidopaminergic and anticholinergic agent, potent α 1-adrenergic receptor antagonist, also inhibits calcium/calmodulin to eEF2K.

Trifluoperazine also is an inhibitor that disrupts the S100A4/myosin-IIA interaction.

Trifluoperazine blocks S100A4-mediated disassembly of myosin-IIA filaments, and promote S100A4 oligomerization.

Trifluoperazine also is a potent NUPR1 inhibitor exerting anticancer activity.

References

Malashkevich VN, et al. Proc Natl Acad Sci U S A. 2010 May 11;107(19):8605-10.

Huerta-Bahena J, et al. Mol Pharmacol. 1983 Jan;23(1):67-70.

Creese I, et al. J Neuropsychiatry Clin Neurosci. 1996 Spring;8(2):223-6.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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