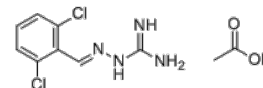


Product Name : Guanabenz acetate
Cat. No. : PC-35504
CAS No. : 23256-50-0
Molecular Formula : C₁₀H₁₂Cl₂N₄O₂
Molecular Weight : 291.132
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

Guanabenz acetate (Wytensin, WY-8678 acetate) is a small molecule that binds to **PPP1R15A**/GADD34, selectively disrupts the stress-induced dephosphorylation of eIF2 α .

Guanabenz acetate prolongs eIF2 α phosphorylation in human stressed cells, without affecting the related PPP1R15B-phosphatase complex and constitutive protein synthesis.

Guanabenz acetate accelerates ALS-like disease progression in a strain of mutant SOD1 transgenic ALS mice.

Guanabenz acetate exhibits anti-inflammatory activity by increasing in vitro IL-10 production by LPS-stimulated dendritic cells, prevents d-Galactosamine/LPS-induced liver damage and mortality in vivo.

References

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Tsaytler P, et al. *Science.* 2011 Apr 1;332(6025):91-4.

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Perego J, et al. *Front Immunol.* 2017 Jun 13;8:679.

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

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