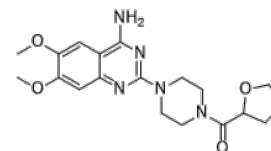


Product Name : Terazosin
Cat. No. : PC-26836
CAS No. : 63590-64-7
Molecular Formula : C₁₉H₂₅N₅O₄
Molecular Weight : 387.44
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

Terazosin is a small molecule α 1-adrenergic receptor antagonist and activator of phosphoglycerate kinase 1 (PGK1) at 2.5 nM -0.5 μ M, binds to PGK1 with ITC K_d of 2.78 μ M.

Terazosin at higher dosages (2.5 μ M and 25 μ M) inhibits PGK1.

Terazosin activates its enzymatic activity, probably through 1,3-diamino-6,7-dimethoxyisoquinoline's ability to promote ATP release from P_{gk}1.

Terazosin rescues rodent models of sepsis and stroke in vivo.

Terazosin stimulates glycolysis and increasing cellular ATP levels.

Terazosin attenuates Parkinson's disease progression in models and clinical databases.

References

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Chen X, et al. Nat Chem Biol. 2015 Jan;11(1):19-25.

Cai R, et al. J Clin Invest. 2019 Oct 1;129(10):4539-4549.

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

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