
Product Data Sheet

Product Name: Guanoxabenz (Hydroxyguanabenz)

Cat. No.: GC32662

Chemical Properties

Cas. No. 24047-25-4

SMILES C1C=C(/C=N/NC(NO)=N)C(Cl)=CC=C1Formula $C_8H_8Cl_2N_4O$ M.Wt 247.08

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Guanabenz (GBZ, GA, Wytensin, Wy-8678, BR-750) is an orally active central alpha 2-adrenoceptor (α_2 adrenergic receptor) agonist with antihypertensive action.

Interleukin-6 (IL6), colony stimulating factor 2 (Csf2), and cyclooxygenase-2 (Cox2) are downregulated by guanabenz-driven phosphorylation of eukaryotic translation initiation factor 2 α (eIF2 α). Although expression of IL1 β and Tumor Necrosis Factor- α (TNF α) was suppressed by guanabenz, their downregulation was not directly mediated by eIF2 α signaling.[2]

[1] B Holmes, et al. Drugs. 1983 Sep;26(3):212-29. [2] Takigawa S, et al. Int J Mol Sci. 2016 May 5;17(5):674.

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

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