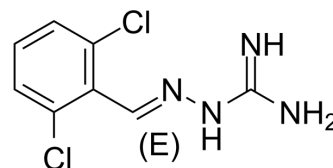


(E)-Guanabenz

Cat. No.:	HY-W263279
CAS No.:	60329-03-5
Molecular Formula:	C ₈ H ₈ Cl ₂ N ₄
Molecular Weight:	231.08
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(E)-Guanabenz ((E)-Wy-8678) is an orally active central α 2-adrenoceptor agonist. (E)-Guanabenz has antihypertensive activity, acts via stimulating central α 2-adrenoceptors, and reducing net sympathetic outflow into the periphery. (E)-Guanabenz also directly binds to and inhibits GADD34, and has neuroprotective activity. (E)-Guanabenz can be used for researching hypertension and Parkinson disease ^{[1][2]} .
IC₅₀ & Target	α 2-adrenoceptor, GADD34 ^{[1][2]}

REFERENCES

- [1]. Sun X, et al. Guanabenz promotes neuronal survival via enhancement of ATF4 and parkin expression in models of Parkinson disease. *Exp Neurol*. 2018 May;303:95-107.
- [2]. Xie J, et al. LC-MS/MS determination of guanabenz E/Z isomers and its application to in vitro and in vivo DMPK profiling studies. *J Pharm Biomed Anal*. 2021 Oct 25;205:114331.

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

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