

Product Datasheet

Guanabenz Acetate (orb1300695)

Catalog Number	orb1300695
Category	Small Molecules
Description	Guanabenz acetate is a selective α 2-adrenergic receptor agonist with pEC50 values of 8.25, 7.01, and \sim 5 for the α 2A, α 2B, and α 2C subtypes, respectively. It is widely used in research to study receptor pharmacology, sympathetic nervous system function, and related physiological mechanisms in both cellular and animal models.
Target	Adrenergic Receptor
Purity	99.83% (May vary between batches)
MW	291.13
Target Areas	Adrenergic Receptor
Solubility (25°C)	DMSO:40 mg/mL (137.4 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (6.87 mM)
CAS Number	23256-50-0
Formula	$C_8H_8Cl_2N_4 \cdot C_2H_4O_2$
SMILES	<chem>c1(c(ccc1Cl)Cl)/C=N/NC(=N)N.C(=O)(C)O</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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