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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Guanadrel

Cat. No.: HY-W376701

CAS No.: 40580-59-4

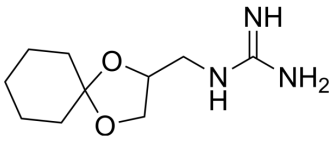
Molecular Formula: $C_{10}H_{19}N_3O_2$

Molecular Weight: 213.28

Target: Adrenergic Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (234.43 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	4.6887 mL	23.4434 mL	46.8867 mL
	5 mM	0.9377 mL	4.6887 mL	9.3773 mL
	10 mM	0.4689 mL	2.3443 mL	4.6887 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (11.72 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (11.72 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (11.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Guanadrel is an orally active postganglionic adrenergic inhibitor of spiroketal. Guanadre can be used in anti-hypertensive studies[1].

In Vivo

Guanadrel (oral gavage, 15-400 mg/kg, every day, 6-52 weeks) has little toxicity to the nervous system in rats and dogs[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Rats, dogs[1]

Dosage:	15-400 mg/kg
Administration:	Oral gavage; every day; 6-52 weeks
Result:	Showed a slight increase in the weight of the prostate and adrenal glands while loss in the kidney in rats. Decreased weight gain values in a dose-dependent manner but liver function is normal in dogs.

REFERENCES

[1]. J D Palmer, et al. Guanadrel sulfate: a postganglionic sympathetic inhibitor for the treatment of mild to moderate hypertension. Pharmacotherapy. 1983 Jul-Aug;3(4):220-9. doi: 10.1002/j.1875-9114.1983.tb03257.x.

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