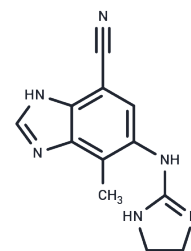


AR-08

Chemical Properties

CAS No. : 226081-74-9
Formula: C₁₂H₁₂N₆
Molecular Weight: 240.26
Appearance: no data available
Storage: store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	AR-08 is a potent α 2-adrenergic receptor agonist for the study of ADHD and attention deficit.
Targets(IC50)	Adrenergic Receptor
In vivo	After intravenous administration of a single dose of 15 mg/kg to 6 healthy lactating goats, the pharmacokinetic behavior of Ibafloxacin is studied. Plasma concentrations of Ibafloxacin are determined by high-performance liquid chromatography with fluorescence detection. Following intravenous injection, Ibafloxacin exhibits very rapid initial distribution, with a mean half-life of 0.35 h, followed by slower elimination, with a mean half-life of 3.76 h. The elimination half-life of Ibafloxacin after oral administration has been reported to be 3.83 h in dogs and 3.00 h in cats[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1622 mL	20.8108 mL	41.6216 mL
5 mM	0.8324 mL	4.1622 mL	8.3243 mL
10 mM	0.4162 mL	2.0811 mL	4.1622 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Marín P, et al. Pharmacokinetics and milk penetration of ibafloxacin after intravenous administration to lactating goats. Can J Vet Res. 2007 Jan;71(1):74-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481