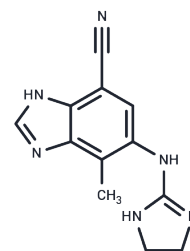


AR-08

Chemical Properties

CAS No. :	226081-74-9
Formula:	C ₁₂ H ₁₂ N ₆
Molecular Weight:	240.26
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



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 Ibafloracin is studied. Plasma concentrations of Ibafloracin are determined by high-performance liquid chromatography with fluorescence detection. Following intravenous injection, Ibafloracin 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 Ibafloracin 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.

Rebecca L Ashare, et al. Optimizing treatments for nicotine dependence by increasing cognitive performance during withdrawal. Expert Opin Drug Discov. Author manuscript; available in PMC 2015 Jan 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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