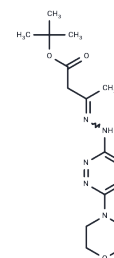


RGH-5526

Chemical Properties

CAS No. : 69579-13-1
 Formula: C₁₆H₂₅N₅O₃
 Molecular Weight: 335.4
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	RGH-5526 is a novel antihypertensive drug. It causes an increase in hypothalamic norepinephrine (NA) turnover (utilization), and the increase in hypothalamic noradrenergic neuron activity may lead to a decrease in peripheral sympathetic nerve activity, resulting in a significant reduction in blood pressure.
Targets(IC50)	Others
In vivo	Following prolonged treatment, RGH-5526 does not influence the hypothalamic monoamine oxidase (MAO)-activity. Results show a sharp (61%) decrease the hypothalamic Noradrenaline (NA) level 2 h after the administration of 10 mg/kg of RGH-5526, and this effect lasts for 4 to 6 h. It is shown that RGH-5526 exerts a greater NA lowering effect in the hypothalamus than in the periphery[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9815 mL	14.9076 mL	29.8151 mL
5 mM	0.5963 mL	2.9815 mL	5.963 mL
10 mM	0.2982 mL	1.4908 mL	2.9815 mL
50 mM	0.0596 mL	0.2982 mL	0.5963 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

Husztai Z, et al. Influence on turnover and level of hypothalamic noradrenaline by a new antihypertensive agent (GYKI 11679). J Neurochem. 1981 Nov;37(5):1272-81.

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