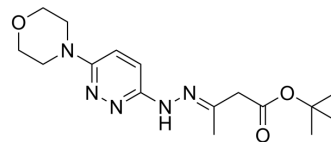


## RGH-5526

Cat. No.:	HY-100151
CAS No.:	69579-13-1
Molecular Formula:	C <sub>16</sub> H <sub>25</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	335.4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	RGH-5526 (GYKI-11679) is a new antihypertensive agent.
In Vivo	RGH-5526 (GYKI-11679) is a new antihypertensive agent. Results show a sharp (61%) reduction in 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 demonstrated that RGH-5526 exerts a greater NA lowering effect in the hypothalamus than in the periphery. RGH-5526 does not influence the hypothalamic monoamine oxidase (MAO)-activity following prolonged treatment <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### PROTOCOL

Animal Administration <sup>[1]</sup>	Rats are used and treated with GYKI-11679 (0.5 mL of 1% Tween 80 suspension) at various dosages. They are killed at the specified times by decapitation; the heart is immediately removed, cut open, and rinsed in an isotonic saline solution. The brain is placed on ice and the hypothalamus is dissected. The tissues are weighed, homogenized in 5% trichloroacetic acid (TCA) containing 0.2% EDTA and ascorbic acid, and centrifuged for 1 h at 5000×g. The supernatant is processed on alumina and noradrenaline in the eluate is determined spectrofluorimetrically <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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### REFERENCES

[1]. Huszti 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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