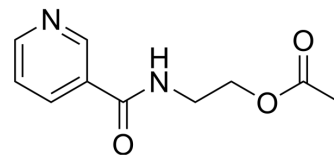


SG-209

Cat. No.:	HY-129445
CAS No.:	83440-03-3
Molecular Formula:	C ₁₀ H ₁₂ N ₂ O ₃
Molecular Weight:	208.21
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SG-209 is a Nicorandil (HY-B0341) derivative that produces relaxation through potassium channel activation, while this action contributes to the vasodilating action of Nicorandil (HY-B0341) at higher concentrations. SG-209 dilates tracheal smooth muscle and increases tracheal blood flow in anesthetized dogs^{[1][2]}.

REFERENCES

[1]. Ishibashi T, et al. 2-Nicotinamidoethyl acetate (SG-209) is a potassium channel opener: structure activity relationship among nicorandil derivatives. Naunyn Schmiedebergs Arch Pharmacol. 1991 Aug;344(2):235-9.

[2]. Yonekura H, et al. Effects of N-(2-hydroxyethyl)nicotinamide nitrate (nicorandil; SG-75) and its derivatives on pancreatic exocrine secretion in the dog. Pancreas. 1990;5(1):75-81.

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

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