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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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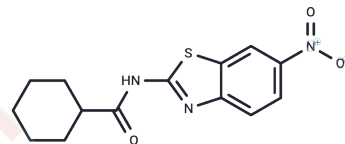
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HUP30

Chemical Properties

CAS No. :	312747-21-0
Formula:	C ₁₄ H ₁₅ N ₃ O ₃ S
Molecular Weight:	305.35
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	HUP30 is a potent vasodilating agent. HUP30 can stimulate soluble guanylyl cyclase, activate K ⁺ channels, and block extracellular Ca ²⁺ influx.
Targets(IC50)	Potassium Channel, Calcium Channel
In vitro	HUP30 inhibits phenylephrine induced aortic contraction with an IC ₅₀ value of 3.9 μM. HUP30 (100 μM) increases cGMP levels in the aorta stimulated by adrenaline. HUP30 has an antispasmodic effect on the 25/30 mM K ⁺ -constricted rat aortic ring, with an IC ₅₀ value of 7.5 μM. HUP30 (3-100 μM) inhibits phenylephrine induced extracellular Ca ²⁺ influx and Ca ²⁺ mobilization. HUP30 (10-100 μM) inhibits current in single tailed artery muscle cells [1].

Solubility Information

Solubility	DMSO: 18.0 mg/mL (59.0 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2749 mL	16.3747 mL	32.7493 mL
5 mM	0.655 mL	3.2749 mL	6.5499 mL
10 mM	0.3275 mL	1.6375 mL	3.2749 mL
50 mM	0.0655 mL	0.3275 mL	0.655 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

Fusi F, et al. 2-Aryl- and 2-amido-benzothiazoles as multifunctional vasodilators on rat artery preparations. Eur J Pharmacol. 2013 Aug 15;714(1-3):178-87.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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