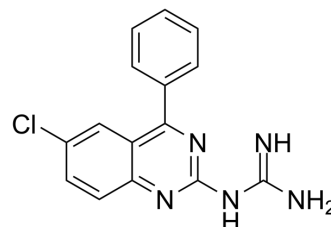


## NHE3-IN-2

Cat. No.:	HY-139313
CAS No.:	92434-13-4
Molecular Formula:	C <sub>15</sub> H <sub>12</sub> ClN <sub>5</sub>
Molecular Weight:	297.74
Target:	Na <sup>+</sup> /H <sup>+</sup> Exchanger (NHE)
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 3.33 mg/mL (11.18 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3586 mL	16.7932 mL	33.5864 mL
		5 mM	0.6717 mL	3.3586 mL	6.7173 mL
		10 mM	0.3359 mL	1.6793 mL	3.3586 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.33 mg/mL (1.11 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.33 mg/mL (1.11 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	NHE3-IN-2 is a Na <sup>+</sup> /H <sup>+</sup> exchanger-3 (NHE3) inhibitor ( patent WO2001079186A1, example 6-Chlor-4-phenyl-2-chinazolinyl-guanidin) <sup>[1]</sup> .
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### REFERENCES

[1]. Rolf Gericke, et al. 2-guanidino-4-aryl-chinazoline als nhe-3-inhibitoren. WO2001079186A1.

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

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