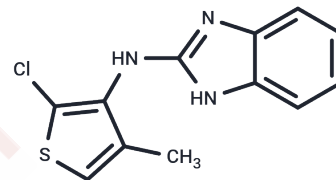


NHE3-IN-1

## Chemical Properties

CAS No. : 632355-68-1  
 Formula: C<sub>12</sub>H<sub>10</sub>ClN<sub>3</sub>S  
 Molecular Weight: 263.75  
 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	NHE3-IN-1 is a inhibitor of Na <sup>+</sup> /H <sup>+</sup> -exchanger 3 (NHE-3).
Targets(IC50)	Sodium Channel

## Solubility Information

Solubility	DMSO: 50 mg/mL (189.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7915 mL	18.9573 mL	37.9147 mL
5 mM	0.7583 mL	3.7915 mL	7.5829 mL
10 mM	0.3791 mL	1.8957 mL	3.7915 mL
50 mM	0.0758 mL	0.3791 mL	0.7583 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

Timothy A. Ayers, et al. Process for preparing 2-chloro-3n-(2-benzimidazolyl)-4-methyl-3-thienylamine useful as a sodium/proton exchanger type 3 inhibitor. WO2011019784A1

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