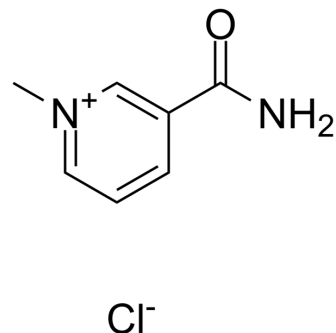


TRIA-662

Cat. No.:	HY-113527
CAS No.:	1005-24-9
Molecular Formula:	C ₇ H ₉ ClN ₂ O
Molecular Weight:	172.61
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 110 mg/mL (637.27 mM; Need ultrasonic)						
	DMSO : 2 mg/mL (11.59 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	5.7934 mL	28.9670 mL	57.9341 mL
				5 mM	1.1587 mL	5.7934 mL	11.5868 mL
10 mM				0.5793 mL	2.8967 mL	5.7934 mL	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (579.34 mM); Clear solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (7.24 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (7.24 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	TRIA-662 (1-Methylnicotinamide chloride) is an endogenous metabolite. TRIA-662 shows antithrombotic and anti-inflammatory activities ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	TRIA-662 (0.1-10 μM; 12 and 24 h) treatment shows polymerization of the G-actin ^[1] . TRIA-662 (0.05-0.2 μM; 1-24 h) shows anti-inflammatory activity in the endothelium ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Immunofluorescence^[1]

Cell Line:	HMECs
Concentration:	0.1 and 10 μ M
Incubation Time:	12 and 24 hours
Result:	Showed polymerization of the G-actin, and strong, clearly visible, parallel F-actin fibers at 10 μ M.

REFERENCES

[1]. A M Kolodziejczyk, et al. Nanomechanical sensing of the endothelial cell response to anti-inflammatory action of 1-methylnicotinamide chloride. Int J Nanomedicine. 2013;8:2757-67.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA