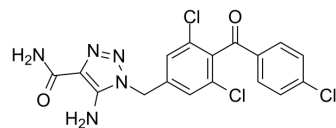


Carboxamidotriazole

Cat. No.:	HY-16126		
CAS No.:	99519-84-3		
Molecular Formula:	C ₁₇ H ₁₂ Cl ₃ N ₃ O ₂		
Molecular Weight:	425		
Target:	Calcium Channel		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (235.29 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.3529 mL	11.7647 mL	23.5294 mL
	5 mM	0.4706 mL	2.3529 mL	4.7059 mL
	10 mM	0.2353 mL	1.1765 mL	2.3529 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.88 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.88 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.88 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Carboxamidotriazole (L-651582) is a cytostatic inhibitor of nonvoltage-operated calcium channels and calcium channel-mediated signaling pathways. Carboxamidotriazole shows anti-tumor, anti-inflammatory and antiangiogenic effects ^{[1][2]} .
IC₅₀ & Target	Calcium channel ^[1]

CUSTOMER VALIDATION

-
- Adv Sci (Weinh). 2023 Jun 21;e2300881.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Chen C, et al. Carboxyamidotriazole Synergizes with Bay 43-9006 to Combat Non-Small Cell Lung Cancer through Inhibition of NANOG and Aggravation of Apoptosis. J Pharmacol Exp Ther. 2017 Aug;362(2):219-229.

[2]. Hussain MM, et al. J Clin Oncol. 2003 Dec 1;21(23):4356-63.

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