Carbocisteine

Cat. No.: HY-D0205A

CAS No.: 638-23-3

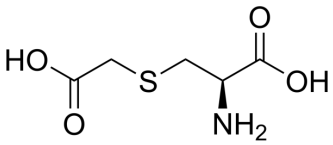
Molecular Formula: $C_5H_9NO_4S$

Molecular Weight: 179.19

Target: Enterovirus

Pathway: Anti-infection

Storage: 4°C, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 2 mg/mL (11.16 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	5.5807 mL	27.9033 mL	55.8067 mL
	5 mM	1.1161 mL	5.5807 mL	11.1613 mL
	10 mM	0.5581 mL	2.7903 mL	5.5807 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 2 mg/mL (11.16 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description Carbocisteine, a mucolytic agent, can be used for the research of chronic obstructive pulmonary disease (COPD)[1].

REFERENCES

[1]. Paola Rogliani, et al. Efficacy and safety profile of mucolytic/antioxidant agents in chronic obstructive pulmonary disease: a comparative analysis across erdosteine, carbocysteine, and N-acetylcysteine. Respir Res. 2019 May 27;20(1):104.

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