# Data Sheet (Cat.No.T8345)



## Carbutamide

## **Chemical Properties**

CAS No.: 339-43-5

Formula: C11H17N3O3S

Molecular Weight: 271.34

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

# **Biological Description**

Description	Carbutamide is a sulfonylurea antidiabetic agent with hypoglycemic activity.			
Targets(IC50)	Others			

## **Solubility Information**

•	DMSO: 260 mg/mL (958.21 mM),
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6854 mL	18.4271 mL	36.8541 mL
5 mM	0.7371 mL	3.6854 mL	7.3708 mL
10 mM	0.3685 mL	1.8427 mL	3.6854 mL
50 mM	0.0737 mL	0.3685 mL	0.7371 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.

## Reference

Ranita Aiman, R D KULKARNI. The Effect of Human Plasma on the Glucose Uptake of the Rat Diaphragm Before and After Administration of Carbutamide. Br J Pharmacol Chemother. 1957 Dec; 12(4):475-8.

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