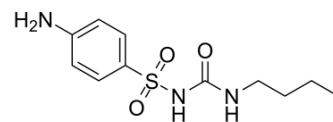


## Carbutamide

Cat. No.:	HY-W011651		
CAS No.:	339-43-5		
Molecular Formula:	C <sub>11</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub> S		
Molecular Weight:	271.34		
Target:	Others		
Pathway:	Others		
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 : 50 mg/mL (184.27 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.17 mg/mL (8.00 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.17 mg/mL (8.00 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Carbutamide (BZ-55) is an orally active and first-generation sulfonylurea with hypoglycemic activity <sup>[1]</sup> .
In Vivo	Carbutamide is a sulfonylurea derivative that will cause hypoglycemia when administered by mouth to normal animals <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Kleinsorge H, et al. Carbutamide--the first oral antidiabetic. A retrospect. Exp Clin Endocrinol Diabetes. 1998;106(2):149-51.

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

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