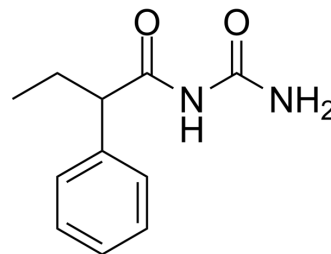


## Pheneturide

<b>Cat. No.:</b>	HY-111177		
<b>CAS No.:</b>	90-49-3		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	206.24		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (1212.18 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.8487 mL	24.2436 mL	48.4872 mL
	5 mM	0.9697 mL	4.8487 mL	9.6974 mL
	10 mM	0.4849 mL	2.4244 mL	4.8487 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (10.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (10.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (10.09 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Pheneturide (Ethylphenacetamide, M 551), a decarboxylation product of Phenobarbital, can be used to prevent psychomotor seizures<sup>[1]</sup>.

### REFERENCES

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

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