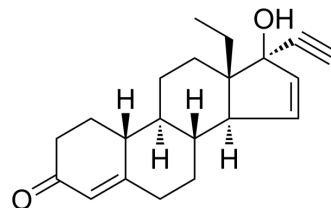


## Gestodene

Cat. No.:	HY-B0110		
CAS No.:	60282-87-3		
Molecular Formula:	C <sub>21</sub> H <sub>26</sub> O <sub>2</sub>		
Molecular Weight:	310.43		
Target:	Progesterone Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (322.13 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2213 mL	16.1067 mL	32.2134 mL
	5 mM	0.6443 mL	3.2213 mL	6.4427 mL
	10 mM	0.3221 mL	1.6107 mL	3.2213 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: ≥ 2.75 mg/mL (8.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.75 mg/mL (8.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.75 mg/mL (8.86 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Gestodene is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

- [1]. Spona, J. and J. Huber, Pharmacological and endocrine profiles of gestodene. Int J Fertil, 1987. 32 Suppl: p. 6-14.

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

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