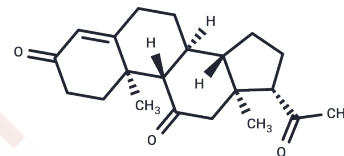


## Ketogestin

## Chemical Properties

CAS No. :	516-15-4
Formula:	C <sub>21</sub> H <sub>28</sub> O <sub>3</sub>
Molecular Weight:	328.45
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ketogestin (11-Ketoprogesterone, 11KP4) is a progestational steroid used in the synthesis of hormone-related drugs. Ketogestin acts through membrane glucocorticoid receptors and is an inhibitor of enzyme 11 $\beta$ -hydroxysteroid dehydrogenase. It acts through membrane glucocorticoid receptors, is an inhibitor of enzyme 11 $\beta$ -hydroxysteroid dehydrogenase, and also acts as a weak negative modulator of GABA <sub>A</sub> receptors.
Targets(IC50)	GABA Receptor, Cytochromes P450, Dehydrogenase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0446 mL	15.223 mL	30.446 mL
5 mM	0.6089 mL	3.0446 mL	6.0892 mL
10 mM	0.3045 mL	1.5223 mL	3.0446 mL
50 mM	0.0609 mL	0.3045 mL	0.6089 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

van Rooyen D, et al., CYP17A1 exhibits 17 $\alpha$ hydroxylase/17,20-lyase activity towards 11 $\beta$ -hydroxyprogesterone and 11-ketoprogesterone metabolites in the C11-oxy backdoor pathway. J Steroid Biochem Mol Biol. 2020 May; 199:105614.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481