

MK 0434

## Chemical Properties

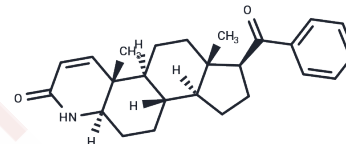
CAS No. : 134067-56-4

Formula: C<sub>25</sub>H<sub>31</sub>NO<sub>2</sub>

Molecular Weight: 377.52

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	MK 0434 is an orally active steroidal 5 alpha-reductase inhibitor.
Targets(IC50)	Reductase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6489 mL	13.2443 mL	26.4887 mL
5 mM	0.5298 mL	2.6489 mL	5.2977 mL
10 mM	0.2649 mL	1.3244 mL	2.6489 mL
50 mM	0.053 mL	0.2649 mL	0.5298 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

Borst SE, et al. Anabolic effects of testosterone are preserved during inhibition of 5alpha-reductase. Am J Physiol Endocrinol Metab. 2007 Aug;293(2):E507-14.

Borst SE, et al. Inhibition of 5alpha-reductase blocks prostate effects of testosterone without blocking anabolic effects. Am J Physiol Endocrinol Metab. 2005 Jan;288(1):E222-7.

Seo SI, et al. The effects of androgen on penile reflex, erectile response to electrical stimulation and penile NOS activity in the rat. Asian J Androl. 1999 Dec;1(4):169-74.

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