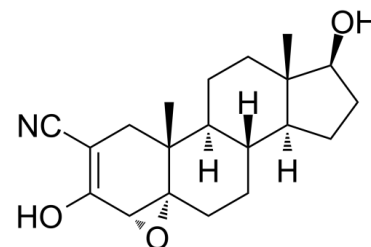


Data Sheet

Product Name:	Trilostane
Cat. No.:	CS-1707
CAS No.:	13647-35-3
Molecular Formula:	C ₂₀ H ₂₇ NO ₃
Molecular Weight:	329.43
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 56 mg/mL (169.99 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Trilostane (Win 24540; Modrastane) is an inhibitor of 3 β -hydroxysteroid dehydrogenase used in the treatment of Cushing's syndrome. IC₅₀ value: Target: 3 β -HSD Trilostane is an inhibitor of 3 β -hydroxysteroid dehydrogenase (3- β -HSD or delta 5-delta 4-isomerase), an essential enzyme for the biosynthesis of all classes of hormonal steroids. It has been used in the treatment of Cushing's syndrome for stopping the production of cortisol, and is currently approved for dogs in the US, but is still a human drug in the UK and other countries. It is being investigated as a possible treatment for both breast cancer and prostate cancer to prevent the synthesis of estrogens and androgens from endogenous precursors. It has also been used to inhibit endogenous production of progesterone in research studies.

References:

- [1]. Helm JR, et al. A comparison of factors that influence survival in dogs with adrenal-dependent hyperadrenocorticism treated with mitotane or trilostane. J Vet Intern Med. 2011 Mar-Apr;25(2):251-60.
- [2]. Feldman EC, et al. Trilostane dose versus body weight in the treatment of naturally occurring pituitary-dependent hyperadrenocorticism in dogs. J Vet Intern Med. 2012 Jul-Aug;26(4):1078-80.

CAIndexNames:

Androst-2-ene-2-carbonitrile, 4,5-epoxy-3,17-dihydroxy-, (4 α ,5 α ,17 β)-

SMILES:

OC1=C(C#N)C[C@@]2(C)[C@@]3(CC[C@]4([H])[C@]2([H])CC[C@@]5(C)[C@@]4([H])CC[C@@H]5O)[C@@H]1O3

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA