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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

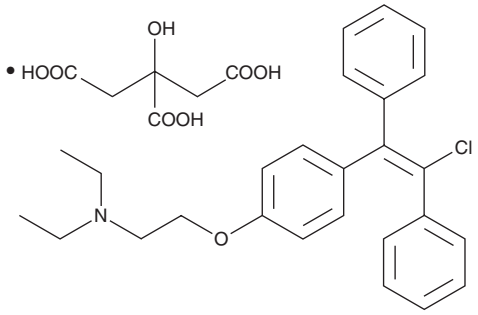
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

Enclomiphene (citrate)

Item No. 30965

CAS Registry No.:	7599-79-3
Formal Name:	2-[4-[(1E)-2-chloro-1,2-diphenylethenyl]phenoxy]-N,N-diethyl-ethanamine, 2-hydroxy-1,2,3-propanetricarboxylate
Synonym:	*trans*-Clomiphene
MF:	$C_{26}H_{28}ClNO \bullet C_6H_8O_7$
FW:	598.1
Purity:	≥95%
UV/Vis.:	λ_{max}: 240, 297 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Enclomiphene (citrate) is supplied as a crystalline solid. A stock solution may be made by dissolving the enclomiphene (citrate) in the solvent of choice, which should be purged with an inert gas. Enclomiphene (citrate) is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of enclomiphene (citrate) in these solvents is approximately 30 mg/ml.

Description

Enclomiphene is an estrogen receptor (ER) modulator.[1-3] It acts as an ER antagonist in humans, sheep, and rabbits and an ER agonist in rats.[1-3] Enclomiphene (0.34 µM) inhibits binding of 17β-estradiol (E_2; Item No. 10006315) in isolated rabbit uterus.[2] It decreases E_2-induced inhibition of follicle stimulating hormone (FSH) secretion in primary sheep pituitary cells in a concentration-dependent manner.[3] Enclomiphene (0.25 and 0.5 mg/animal) inhibits spermatogenesis and decreases serum luteinizing hormone (LH) and testosterone levels in intact or castrated rats.[4] Formulations containing enclomiphene have been used in the treatment of ovarian dysfunction.

References

1. Hill, S., Arutchelvam, V., and Quinton, R. Enclomiphene, an estrogen receptor antagonist for the treatment of testosterone deficiency in men. *IDrugs* **12(2)**, 109-119 (2009).
2. Wyss, R.H., Karsznia, R., Heinrichs, W.L., *et al.* Inhibition of uterine receptor binding of estradiol by anti-estrogens (clomiphene and CL-868). *J. Clin. Endocrinol. Metab.* **28(12)**, 1824-1828 (1968).
3. Huang, S.-R. and Miller, W.L. Estrogenic and antiestrogenic effects of enclomiphene and zuclomiphene on gonadotropin secretion by ovine pituitary cells in culture. *Endocrinology* **112(2)**, 442-448 (1983).
4. Weissenberg, R., Dar, Y., and Lunenfeld, B. The effect of clomiphene citrate and its Zu or En isomers on the reproductive system of the immature male rat. *Andrologia* **24(3)**, 161-165 (1992).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM