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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

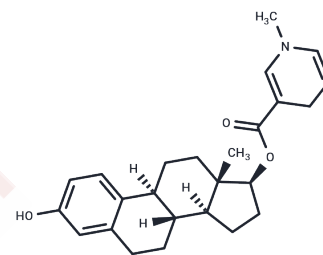
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Estredox

Chemical Properties

CAS No. :	103562-82-9
Formula:	C ₂₅ H ₃₁ NO ₃
Molecular Weight:	393.52
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Estredox (E2 CDS) is a redox-based estradiol (E2) chemical delivery system. E2-CDS provides sustained and brain-selective delivery of estradiol.
Targets(IC50)	Others
In vivo	Injection of Estredox-CDS (30 μ L) through the tail vein at a dose of 300 μ g/kg body weight in ovariectomized mice triggered transient antidepressant-like behavior in ovariectomized mice. [1]; A single intravenous injection of Estredox-CDS (3 mg/kg) resulted in persistence of E2-Q+ in three distinct brain regions. The sustained and gradual release of estradiol from E2-Q+ is reflected in the time course of plasma estrogen levels. At the end of repeated doses of Estredox-CDS (0.3 mg/kg intravenously once daily for 10 days), we observed a sharp and then gradual decrease in plasma estradiol levels. [3]; In orchietomized male rats, Estredox reestablished mounting and engraftment for up to 4 weeks after single doses of 0.3 and 3.0 mg/kg iv. The LH suppression effect lasted until day 7 and day 28, respectively. After repeated administration for 10 days at a dose of 0.01 mg/kg iv, significant effects were obtained on day 14. [4]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5412 mL	12.7058 mL	25.4117 mL
5 mM	0.5082 mL	2.5412 mL	5.0823 mL
10 mM	0.2541 mL	1.2706 mL	2.5412 mL
50 mM	0.0508 mL	0.2541 mL	0.5082 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.

Reference

Prokai-Tatrai K, et al. "All in the mind"? Brain-targeting chemical delivery system of 17 β -estradiol (Estredox) produces significant uterotrophic side effect. Pharm Anal Acta. 2012;Suppl 7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481