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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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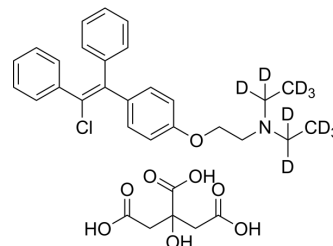
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Zuclophene d₁₀ Citrate salt

Cat. No.:	HY-B1617AS2
Molecular Formula:	C ₃₂ H ₂₆ D ₁₀ ClNO ₈
Molecular Weight:	608.14
Target:	Isotope-Labeled Compounds; Estrogen Receptor/ERR
Pathway:	Others; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Zuclophene d₁₀ Citrate salt is deuterium labeled Zuclophene (citrate). Zuclophene citrate is a cis isomer of Clomiphene citrate. Zuclophene citrate has an antiestrogenic effect and can inhibit the secretion of luteinizing hormone (LH) more than the trans isomer. Zuclophene citrate is also an orally active hypocholesterolemic agent^{[1][2][3][4][5]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Fontenot GK, et al. Differential effects of isomers of clomiphene citrate on reproductive tissues in male mice. *BJU Int*. 2016 Feb;117(2):344-50.
- [3]. Mikkelsen TJ, et al. Single-dose pharmacokinetics of clomiphene citrate in normal volunteers. *Fertil Steril*. 1986 Sep;46(3):392-6.
- [4]. Sutherland RL. Estrogen antagonists in chick oviduct: antagonist activity of eight synthetic triphenylethylene derivatives and their interactions with cytoplasmic and nuclear estrogen receptors. *Endocrinology*. 1981 Dec;109(6):2061-8.
- [5]. Ramsey RB, et al. The biochemical and morphological response of hydrolytic enzymes in the developing brain to hypocholesterolemic agents. *Acta Neuropathol*. 1980;49(2):89-94.

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

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