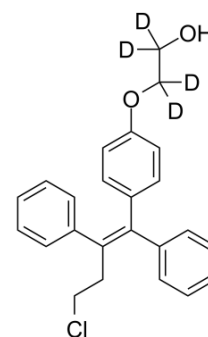


Ospemifene D4

Cat. No.:	HY-B0723S
Molecular Formula:	C ₂₄ H ₁₉ D ₄ ClO ₂
Molecular Weight:	382.92
Target:	Estrogen Receptor/ERR
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description Ospemifene D4 (FC-1271a D4) is a deuterium labeled Ospemifene. Ospemifene is a selective and orally active **estrogen receptor** modulator for the prevention of osteoporosis with IC₅₀ values of 827 nM and 1633 nM for **estrogen receptor α (ERα)** and **ERβ**, respectively. Ospemifene has bone-sparing, antitumor, and cholesterol-lowering effects^{[1][2]}.

IC₅₀ & Target IC50: 827 nM (estrogen receptor α (ERα)) and 1633 nM (ERβ)^[1]

REFERENCES

[1]. Qiang Qv.et al.Selective estrogenic effects of a novel triphenylethylene compound, FC1271a, on bone, cholesterol level, and reproductive tissues in intact and ovariectomized rats. *Endocrinology*.Feb;141(2):809-20. 25. (2000).

[2]. Tracy L. Taras et al.In vitro and in vivo biologic effects of Ospemifene (FC-1271a) in breast cancer. *The Journal of Steroid Biochemistry and Molecular Biology* 77(4-5):271-9,(2001).

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

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