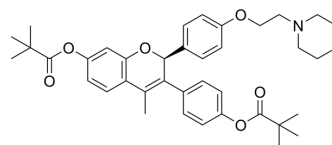


## EM-800

Cat. No.:	HY-114631
CAS No.:	182167-03-9
Molecular Formula:	C <sub>39</sub> H <sub>47</sub> NO <sub>6</sub>
Molecular Weight:	625.79
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

EM-800, an orally active anti-estrogen, serves as an antagonist to the transcriptional functions of estrogen receptors  $\alpha$  (ER $\alpha$ ) and  $\beta$  (ER $\beta$ ). EM-800 possesses anticancer activity, capable of inhibiting the growth of breast cancer induced by 7,12-Dimethylbenz[a]anthracene (DMBA) (HY-W011845). Furthermore, in ovariectomized animals, EM-800 effectively slows down bone loss. Additionally, EM-800 shows potential in the research of breast and endometrial cancers, while exerting beneficial effects on bone and lipid metabolism<sup>[1][2]</sup>.

## REFERENCES

- [1]. Tremblay A, et al. EM-800, a novel antiestrogen, acts as a pure antagonist of the transcriptional functions of estrogen receptors alpha and beta. *Endocrinology*. 1998 Jan;139(1):111-8.
- [2]. Labrie F, et al. EM-652 (SCH 57068), a third generation SERM acting as pure antiestrogen in the mammary gland and endometrium. *J Steroid Biochem Mol Biol*. 1999 Apr-Jun;69(1-6):51-84.

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

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