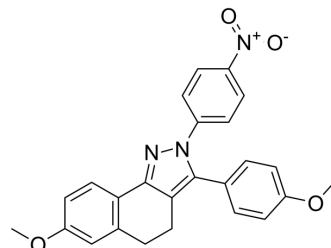


Estrogen receptor antagonist 8

Cat. No.:	HY-143267
CAS No.:	2889370-92-5
Molecular Formula:	C ₂₅ H ₂₁ N ₃ O ₄
Molecular Weight:	427.45
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	Estrogen receptor antagonist 8 is a potent ER-antagonist with in vivo anti-uterotrophic potential (EC ₅₀ = 4.160 μM).
IC ₅₀ & Target	Estrogen receptor
In Vivo	In an in vivo anti-uterotrophic assay, a dose-response curve set by measuring the reduction of uterus weight of immature female rats when compared to the control group. Anti-uterotrophic assay of ER-antagonist (compound 4) (s.c.; 1, 3, 10, 20, 30 mg/Kg/day; 3 days) exhibits an excellent anti-uterotrophic potential than TMX (EC ₅₀ : 7.625 μM), the EC ₅₀ value of ER-antagonist 8 is 4.160 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mahmoud A Ragab, et al. Structure-based design and synthesis of conformationally constrained derivatives of methyl-piperidinopyrazole (MPP) with estrogen receptor (ER) antagonist activity. *Bioorg Chem.* 2022 Feb;119:105554.

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

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