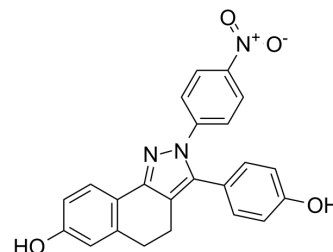


Estrogen receptor antagonist 7

Cat. No.:	HY-143253
CAS No.:	2889371-04-2
Molecular Formula:	C ₂₃ H ₁₇ N ₃ O ₄
Molecular Weight:	399.4
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 7 (compound 13) is a potent estrogen receptors (ER) antagonist. Estrogen receptor antagonist 7 has antiproliferative activity against breast and ovarian cancer cells. Anticancer and anti-uterotrophic activities ^[1] .
IC₅₀ & Target	IC ₅₀ : 7.2 μM in MCF-7, 11.71 μM in T-47D, 29.8 μM in SKOV-3 ^[1]
In Vitro	Estrogen receptor antagonist 7 (compound 13) has antiproliferative activity against MCF-7, T-47D and SKOV-3 with IC ₅₀ s of 7.2 μM, 11.71 μM and 29.8 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ragab MA, 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA