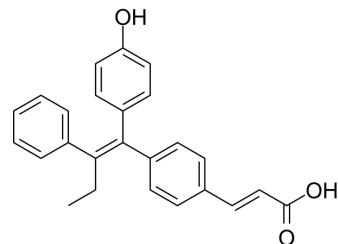


GW7604

Cat. No.:	HY-117153		
CAS No.:	361203-06-7		
Molecular Formula:	C ₂₅ H ₂₂ O ₃		
Molecular Weight:	370.44		
Target:	Estrogen Receptor/ERR		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	GW7604 is an antiestrogen. GW7604 is the metabolite of GW5638, which is a high affinity estrogen receptor (ER) antagonist ^[1] .	
In Vitro	GW7604 is the presumed metabolite of GW5638 in breast (MCF-7) and endometrial (ECC-1) cell lines. GW7604 (0.1 nM-1 μM; 24 hours) inhibits both Estradiol (1 nM) and 4-hydroxytamoxifen (4-OHT; 10 and 100 nM) induction of TGF-α in a concentration related manner (1-1000 nM) in MDA-MB-231 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis ^[1]	
	Cell Line:	MDA-MB-231 cells
	Concentration:	0.1 nM, 1 nM, 10 nM, 100 nM, 1 μM
	Incubation Time:	24 hours
	Result:	Blocked the effect of estradiol (E2; 1 nM) in a concentration-related manner.

REFERENCES

[1]. Bentrem D, et al. Molecular mechanism of action at estrogen receptor alpha of a new clinically relevant antiestrogen (GW7604) related to tamoxifen. *Endocrinology*. 2001 Feb;142(2):838-46.

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

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