

Nitromifene

Catalog No: tcsc0018417



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

10448-84-7

Formula:

$C_{27}H_{28}N_2O_4$

Pathway:

Others

Target:

Estrogen Receptor/ERR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

CI628

Observed Molecular Weight:

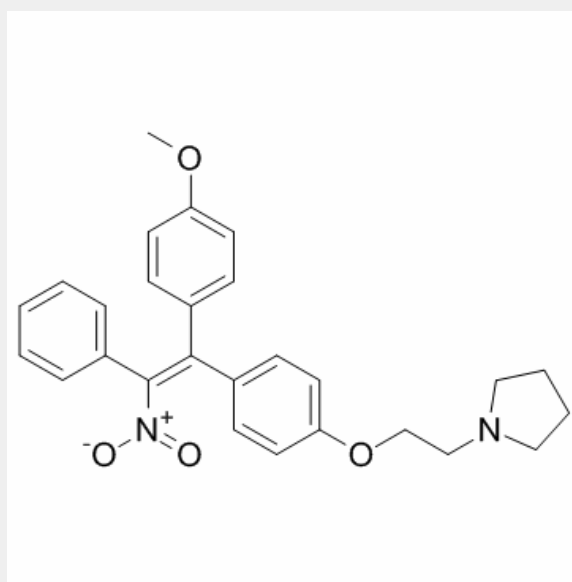
444.52

Product Description

Nitromifene is an antagonist of **estrogen receptor (ER)**.

IC50 & Target: ER^[1]

In Vitro: Nitromifene is an antagonist of estrogen receptor (ER). At 0.5 μ M and 1.0 μ M concentrations, Nitromifene inhibits MCF 7 cell proliferation to 70% of that in drug-free controls. At higher concentrations, Nitromifene is clearly more effective than other metabolites. Specifically bound estradiol is displaced from intact MCF 7 cells by Nitromifene. Nitromifene is an effective antagonist of the ability of calmodulin (CM) to activate cyclic nucleotide phosphodiesterase^[1].



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