Product Data Sheet

Product Name: Nitromifene (CI628)
Cat. No.: GC32445

Chemical Properties

Cas. No.	10448-84-7		
SMILES	O=[N+](/C(C1=CC=CC=C1)=C(C2=CC=C(OCCN3CCCC3)C=C2)/C4=CC=C(OC)C=C4)[O-]		
Formula	$C_{27}H_{28}N_2O_4$	M.Wt	444.52
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Nitromifene (CI628)		

Protocol

Cell experiment:

References:

[1]. Ruenitz PC, et al. Characterization of MCF 7 breast cancer cell growth inhibition by the antiestrogen nitromifene (CI 628) and selected metabolites. J Steroid Biochem. 1989 Sep;33(3):365-9.

Background

Nitromifene is an antagonist of estrogen receptor (ER).

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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].

[1]. Ruenitz PC, et al. Characterization of MCF 7 breast cancer cell growth inhibition by the antiestrogen nitromifene (CI 628) and selected metabolites. J Steroid Biochem. 1989 Sep;33(3):365-9.

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