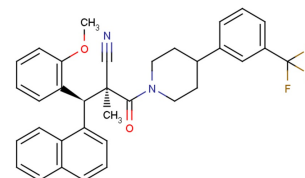


WAY-204688

## Chemical Properties

CAS No.: 796854-35-8  
 Formula: C<sub>34</sub>H<sub>31</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 556.62  
 Appearance: N/A  
 Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	WAY-204688 is a selective and orally active estrogen receptor inhibitor of NF-κB transcriptional activity (IC <sub>50</sub> : 122 ± 30 nM for NF-κB-luciferase in HAECT-1 cells).
Targets(IC <sub>50</sub> )	NF-κB-luc: 122 nM (in HAECT-1 cell) NF-κB: None
In vitro	WAY-204688 displaces [3H]E2 from the ERα ligand-binding domain protein (C <sub>50</sub> =2.43 μM) and from the ERβ ligand-binding domain protein (IC <sub>50</sub> =1.5 μM). WAY-204688 is ER-dependent which the activity saw only when hER is coexpressed with NF-κB-luciferase in human aortic endothelial cell lines (HAECT-1) cells. The interaction of WAY-204688 with ERα and ERβ is examined in vitro [1].
In vivo	WAY-204688 (5 mg/kg per day, p.o. daily for 5 weeks) is evaluated in vivo for the ability to inhibit four pro-inflammatory genes. The effect of WAY-204688 on the induction of the gene products and on uterine wet weight is compared to that of 17α-ethinyl 17β-estradiol (EE at 10 μg/kg per day) in the same paradigm. Further characterization of WAY-204688 is carried out in several preclinical models of inflammatory disease. WAY-204688 (0.3 mg/kg, p.o.) is active in the Lewis rat adjuvant-induced arthritis model [1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.797 mL	8.983 mL	17.966 mL
5 mM	0.359 mL	1.797 mL	3.593 mL
10 mM	0.18 mL	0.898 mL	1.797 mL
50 mM	0.036 mL	0.18 mL	0.359 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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