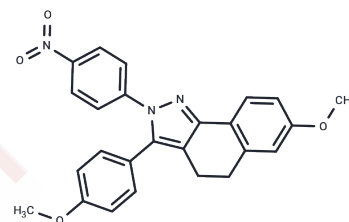


## Estrogen receptor antagonist 8

## Chemical Properties

CAS No. :	2889370-92-5
Formula:	C <sub>25</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	427.45
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Estrogen receptor antagonist 8 acts as an estrogen receptor (ER) antagonist with anti-uterine activity and potential anti-tumorigenic activity and can be used to study ovarian dysfunction.
Targets(IC50)	Estrogen Receptor/ERR,Estrogen/progestogen Receptor
In vivo	Estrogen receptor antagonist 8 (s.c.; 1, 3, 10, 20, 30 mg/kg/day; 3 days) exhibits good potential for uterine atrophy [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3395 mL	11.6973 mL	23.3945 mL
5 mM	0.4679 mL	2.3395 mL	4.6789 mL
10 mM	0.2339 mL	1.1697 mL	2.3395 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Mahmoud A Ragab, 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481