

WAY-255348

Chemical Properties

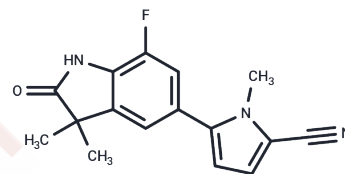
CAS No. : 872141-23-6

Formula: C₁₆H₁₄FN₃O

Molecular Weight: 283.3

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	WAY-255348 is a potent nonsteroidal progesterone receptor (PR) antagonist. WAY-255348 inhibits the activity of progesterone. WAY-255348 achieves antagonist activity by binding to and subsequently preventing progesterone-induced nuclear accumulation, phosphorylation and promoter interactions of the PR. WAY-255348 bound PR conformation was similar to that of a progesterone agonist-bound PR and distinct from steroidal antagonist-bound PR conformations. WAY-255348 inhibits PR action through a novel molecular mechanism that is distinct from previously studied PR modulators and may be a useful tool to further understanding of PR signaling pathways.
Targets(IC50)	Others, Progesterone Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5298 mL	17.6491 mL	35.2983 mL
5 mM	0.706 mL	3.5298 mL	7.0597 mL
10 mM	0.353 mL	1.7649 mL	3.5298 mL
50 mM	0.0706 mL	0.353 mL	0.706 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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