

ORIC-101

Chemical Properties

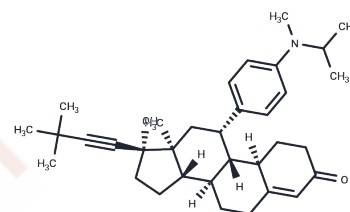
CAS No. : 2222344-98-9

Formula: C₃₄H₄₇NO₂

Molecular Weight: 501.74

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	ORIC-101 is a highly effective and selective glucocorticoid receptor antagonist (EC ₅₀ : 5.6 nM). It also has anti-cancer activity.
Targets(IC ₅₀)	Glucocorticoid Receptor,Others
In vitro	ORIC-101 (1-1000 nM) dose-dependently decreases the expression of n GR-mediated target gene (IC ₅₀ s: 17.2 and 21.2 nM, respectively). ORIC-101 displays markedly reduced androgen receptor agonism (EC ₅₀ , 2500 nM) and CYP2C8 and CYP2C9 inhibition profiles (IC ₅₀ , >10 μM)[1].
In vivo	In OVCAR5 xenograft tumor in cortisol-treated mice, ORIC-101 (75 mg/kg, P.O. twice a day for 16-22 days) increases the anti-tumor activity in combination with gemcitabine and carboplatin[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9931 mL	9.9653 mL	19.9306 mL
5 mM	0.3986 mL	1.9931 mL	3.9861 mL
10 mM	0.1993 mL	0.9965 mL	1.9931 mL
50 mM	0.0399 mL	0.1993 mL	0.3986 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

Rew Y, et al. Discovery of a Potent and Selective Steroidal Glucocorticoid Receptor Antagonist (ORIC-101). J Med Chem. 2018 Sep 13;61(17):7767-7784.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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