

Product Data Sheet

Product Name: ORM-15341

Cat. No.: GC32402

Chemical Properties

Cas. No. 1297537-33-7

SMILES C1C1=C(C#N)C=CC(C2=NN(C[C@H](C)NC(C3=NNC(C(C)=O)=C3)=O)C=C2)=C1

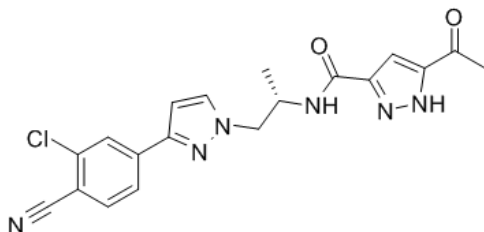
Formula $C_{19}H_{17}ClN_6O_2$ M.Wt 396.83

Solubility DMSO : ≥ 37 mg/mL (93.24 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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



Background

ORM-15341 is a potent and full antagonist for human AR (hAR) with IC_{50} values of 38 nM as shown by transactivation assays in AR-HEK293 cells stably expressing full-length hAR and an androgen-responsive luciferase reporter gene construct. IC_{50} value: 38 nM Target: androgen receptor in vitro: In competitive AR binding assays, the inhibition constant (K_i) values of ORM-15341 was 8 nM. ORM-15341 functions as a full antagonist for all tested mutant ARs , with IC_{50} of 25, 51, 700, and 1160 nM for wtAR, AR(F876L), AR(T877A), and AR(W741L).

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Moilanen AM, et al. Discovery of ODM-201, a new-generation androgen receptor inhibitor targeting resistance mechanisms to androgen signaling-directed prostate cancer therapies. Sci Rep. 2015 Jul 3;5:12007. doi: 10.1038/srep12007. [2]. Toermaekangas Olli, et al. Preparation of heteroaryl carboxamides as androgen receptor modulators. From PCT Int. Appl. (2012), WO 2012/143599 A1 20121026.

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