
Product Data Sheet

Product Name: OP-3633
 Cat. No.: GC36809

Chemical Properties

Cas. No. 2102494-14-2

SMILES O=C1CC[C@]2(C)[C@@]3([H])[C@@H](C4=CC=C(N(C)C)C=C4)C[C@]5(C)[C@@](C#CC)(O)CC[C@@]5([H])[C@]3([H])CCC2=C1

Formula C₃₀H₃₉NO₂ M.Wt 445.64

Solubility Soluble in DMSO 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

OP-3633 is a potent and selective steroidal glucocorticoid receptor (GR) antagonist with an IC₅₀ of 29 nM, with inhibition of GR transcriptional activity. OP-3633 exhibits low progesterone receptor (PR) agonism and androgen receptor (AR) antagonism[1]. IC₅₀: 29 nM (GR)[1]

OP-3633 exhibits low progesterone receptor (PR) agonism with an EC₅₀ higher than 2500 nM[1]. OP-3633 exhibits low androgen receptor (PR) antagonism, with an IC₅₀ of 1135 nM[1].

[1]. Du X, et al. Discovery of a Potent Steroidal Glucocorticoid Receptor Antagonist with Enhanced Selectivity against the Progesterone and Androgen Receptors (OP-3633). J Med Chem. 2019 Jul 25;62(14):6751-6764.

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

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