
Product Data Sheet

Product Name: Androgen receptor modulators 1

Cat. No.: GC34166

Chemical Properties

Cas. No. 1114546-03-0

SMILES O=C1C[C@H](O)[C@H](CC)N1C2=CC(C(F)(F)F)=C(C#N)C=C2

Formula $C_{14}H_{13}F_3N_2O_2$ M.Wt 298.26

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

Androgen receptor modulators 1 is a selective androgen receptor modulator (SARM). Androgen receptor modulators 1 has strong agonistic activities with an EC₅₀ of 4.7 nM[1].

Androgen receptor modulators 1 (Compounds 2f) induces sexual behavior at the minimal dose (0.5 mg/kg/day, qd, po). It could act as androgen agonist on the CNS[1]. Androgen receptor modulators 1 shows good metabolic stabilities with little species difference between rat, dog, mouse, monkey and human[1].

[1]. Aikawa K, et al. Synthesis and biological evaluation of novel selective androgen receptor modulators (SARMs) Part III: Discovery of 4-(5-oxopyrrolidine-1-yl)benzotrile derivative 2f as a clinical candidate. *Bioorg Med Chem*. 2017 Jul 1;25(13):3330-3349.

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

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