

Product Data Sheet

Product Name: XY101
Cat. No.: GC37944

Chemical Properties

Cas. No. 2349368-16-5

SMILES O=S(C1=CC=C(CC(=O)Nc2ccc(cc2C3=C(F)C=C(C(=O)C(F)(F)F)C(F)(F)F)C=C3)C=C2)C=C1)(CC)=O

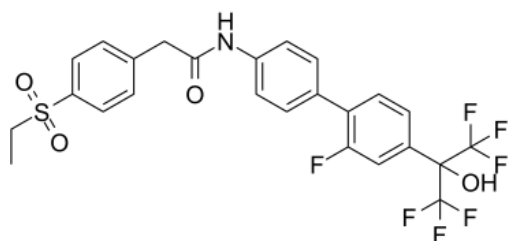
Formula $C_{25}H_{20}F_7NO_4S$ M.Wt 563.48

Solubility DMSO: 250 mg/mL (443.67 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

XY101 is a potent, selective, metabolically stable and orally available ROR γ inverse agonist with an

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

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IC₅₀ of 30 nM and a K_d of 380 nM[1]. IC₅₀: 30 nM (ROR γ)[1]K_d: 380 nM (ROR γ)[1]

XY101 potently inhibits cell growth, colony formation, and the expression of androgen receptor (AR), AR-V7 and prostate-specific antigen (PSA)[1].

XY101 exhibits significant antitumor activities during the treatment period with tumor growth inhibition and is well tolerated without obvious body weight loss[1].

[1]. Zhang Y, et al. Discovery and Characterization of XY101, a Potent, Selective, and Orally Bioavailable ROR γ Inverse Agonist for Treatment of Castration-Resistant Prostate Cancer. J Med Chem. 2019 May 9;62(9):4716-4730.

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