

Product Name : RD162

Synonyms : RD 162;RD-162

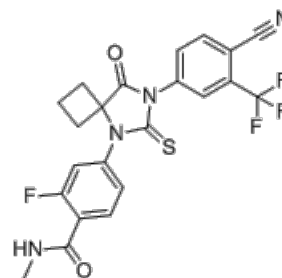
Cat No. : M16572

CAS Number : 915087-27-3

Molecular Formula : C₂₂H₁₆F₄N₄O₂S

Formula Weight : 476.45

Chemical Name : 4-[7-[4-cyano-3-(trifluoromethyl)phenyl]-8-oxo-6-thioxo-5,7-diazaspiro[3.4]oct-5-yl]-2-fluoro-N-methyl-benzamide



Description : RD162 is a second-generation, orally available antiandrogen that binds to androgen receptor (AR) with IC₅₀ of 30.9 nM; suppresses growth and induces apoptosis in human prostate cancer cells in vitro, demonstrates greater relative affinity than the clinically used antiandrogen bicalutamide, reduces the efficiency of its nuclear translocation, and impairs both DNA binding to androgen response elements and recruitment of coactivators; induces tumor regression in mouse models of castration-resistant human prostate cancer.

Pathway : Endocrinology/Hormones

Target : Androgen Receptor (AR)

Receptor : Androgen Receptor (AR)

Solubility : —

SMILES : CNC(=O)C1=C(C=C(C=C1)N2C(=S)N(C(=O)C23CCC3)C4=CC(=C(C=C4)C#N)C(F)(F)F)F

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Tran C, et al. Science. 2009 May 8;324(5928):787-90. | 2. Makkonen H, et al. Mol Cell Endocrinol. 2011 Jan 1;331(1):57-65.