



AR Protein Crystal

Catalog: CBCRY23

PRODUCT INFORMATION

Name AR Protein Crystal

Cat No. CBCRY23

Fragment Residues 669-918

Protein Description Androgen Receptor

Background

Androgen receptor (AR) is a ligand-inducible steroid hormone receptor that mediates androgen action, determining male sexual phenotypes and promoting spermatogenesis. As the androgens play a dominant role in male sexual development and function, steroidal androgen agonists have been used clinically for some years. However, there is a risk of potential side effects and most steroidal androgens cannot be dosed orally, which limits the use of these substances. 1,2-Dihydro-6-N,N-bis(2,2,2-trifluoroethyl)amino-4-trifluoromethyl-2-quinolinone (LGD2226) is a synthetic nonsteroidal ligand and a novel selective AR modulator.

Protein Classification Ligand Binding Protein

Structure Weight 29541.62 Da

Method X-Ray Diffraction

Resolution 2.8Å

Ligand Chemical Component 6-[Bis(2,2,2-Trifluoroethyl)Amino]-4-(Trifluoromethyl)quinolin-2(1H)-one.

Reference

Wang, F., Liu, X.-Q., Li, H., Liang, K.-N., Miner, J.N., Hong, M., Kallel, E.A., van Oeveren, A., Zhi, L., Jiang, T. (2006) Structure of the ligand-binding domain (LBD) of human androgen receptor in complex with a selective modulator LGD2226 ACTA CRYSTALLOGR.,SECT.F 62: 1067-1071