

AR Protein Crystal

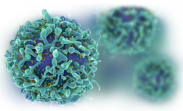
Catalog: CBCRY23

PRODUCT INFORMATION

Product Name	AR Protein Crystal
Catalog Number	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
PDBID	2HVC
Method	X-Ray Diffraction
Resolution	2.8Å

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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
cDNALength	750

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	**Short term:** +2°C to +8°C (up to 1 week) **Long term:** -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.

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