

Product Information

Apalutamide

Cat. No.: X23-12-YM618

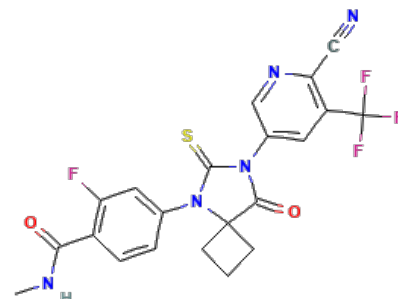
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 956104-40-8

Compound CID: 24872560

Synonym: 956104-40-8; Erleada; ARN 509

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Apalutamide (ARN-509), soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets androgen receptor (cell-free assay), and GABAA receptor (cell-free assay).
Molecular Weight	477.4
Molecular Formula	C ₂₁ H ₁₅ F ₄ N ₅ O ₂ S
Targets	Androgen receptor (Cell-free assay): 16 nM; GABAA receptor (Cell-free assay): 3 μM
IUPAC Name	4-[7-[6-Cyano-5-(trifluoromethyl)pyridin-3-yl]-8-oxo-6-sulfanylidene-5,7-diazaspiro[3.4]octan-5-yl]-2-fluoro-N-methylbenzamide
InChI	InChI=1S/C21H15F4N5O2S/c1-27-17(31)13-4-3-11(8-15(13)22)30-19(33)29(18(32)20(30)5-2-6-20)12-7-14(21(23,24)25)16(9-26)28-10-12/h3-4,7-8,10H,2,5-6H2,1H3,(H,27,31)
InChI Key	HJBWBFZLDZWPHF-UHFFFAOYSA-N
Canonical SMILES	CNC(=O)C1=C(C=C(C=C1)N2C(=S)N(C(=O)C23CCC3)C4=CC(=C(N=C4)C#N)C(F)(F)F)
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 18 mg/mL (37.7 mM); Water: insoluble; Ethanol: 5 mg/mL (10.47 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Apalutamide (ARN-509) can be used for its effect on blocking the effects of androgen hormones on prostate cancer cells.
Storage	Store at -20°C, and keep desiccated.



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