

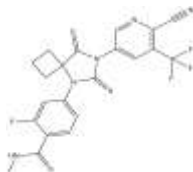
**PRODUCT: ARN-509**

**ALTERNATE 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; Apalutamide

**CATALOG #:** 9535-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>15</sub>F<sub>4</sub>N<sub>5</sub>O<sub>2</sub>S

**MOLECULAR WEIGHT:** 477.43

**CAS NUMBER:** 956104-40-8

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (>5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** ARN-509 is a selective and competitive androgen receptor (AR) inhibitor (IC<sub>50</sub> = 16 nM). ARN-509 selectively binds the androgen receptor and impairs its nuclear translocation and DNA binding to androgen response elements useful for prostate cancer treatment.

**REFERENCES:** Clegg, N.J., *et al.* (2012). *Cancer Res.* **72**, 1494-1503.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Androgen Receptor Antibody (**Cat. No. 6710-100**)

Androgen Receptor Antibody (Clone 549CT16.1.4) (**Cat. No. 6710-100**)

MDV-3100 (**Cat. No. 9479-10,50**)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**