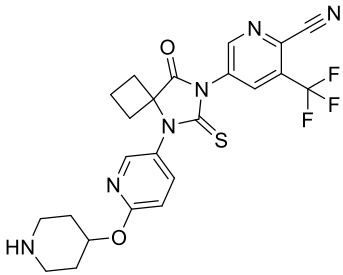


Product data sheet



| | |
|--|---|
| MedKoo Cat#: 207041 Name: JNJ-63576253 CAS: 2110426-27-0 (free base) Chemical Formula: C ₂₃ H ₂₁ F ₃ N ₆ O ₂ S Exact Mass: 502.1399 Molecular Weight: 502.5162 |  |
| Product supplied as: Powder | |
| Purity (by HPLC): ≥ 98% | |
| Shipping conditions: Ambient temperature | |
| Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks. | |

1. Product description:

JNJ63576253, also known as TRC253, is a potent and orally active androgen receptor antagonist. TRC253 specifically binds to both wild-type and certain mutant forms of AR, thereby preventing androgen-induced receptor activation and facilitating the formation of inactive complexes that cannot translocate to the nucleus. This prevents binding to and transcription of AR-responsive genes, inhibits the expression of genes that regulate prostate cancer cell proliferation, and may lead to an inhibition of growth of tumor cells in which AR is overexpressed and/or mutated. AR is often overexpressed and/or mutated in prostate cancers and plays a key role in proliferation, survival and chemoresistance of tumor cells.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

| Solvent | Max Conc. mg/mL | Max Conc. mM |
|---------|-----------------|--------------|
| TBD | TBD | TBD |

4. Stock solution preparation table:

| Concentration / Solvent Volume / Mass | 1 mg | 5 mg | 10 mg |
|---------------------------------------|---------|---------|----------|
| 1 mM | 1.99 mL | 9.95 mL | 19.90 mL |
| 5 mM | 0.40 mL | 1.99 mL | 3.98 mL |
| 10 mM | 0.20 mL | 1.00 mL | 1.99 mL |
| 50 mM | 0.04 mL | 0.20 mL | 0.40 mL |

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

JNJ-63576253 (TRC-253) free base is a potent and orally active full antagonist of androgen receptor (AR), with IC₅₀s of 37 and 54 nM for F877L mutant AR and wild-type AR in LNCaP cells.

In vitro activity

TBD

Product data sheet



In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.