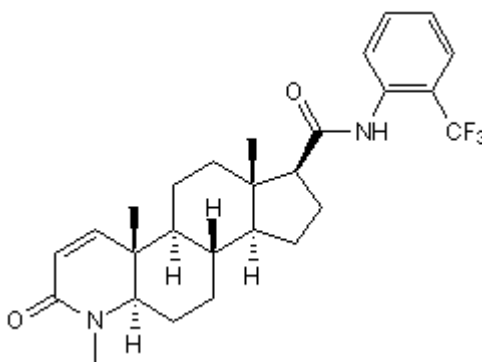


**Product Name:** TFM-4AS-1 **Catalog No.:** 3813 **Batch No.:** 1  
**CAS Number:** 188589-61-9  
**IUPAC Name:** (1S,3aS,3bS,5aR,9aR,9bS,11aS)-6,9a,11a-Trimethyl-7-oxo-N-[2-(trifluoromethyl)phenyl]-2,3,3a,3b,4,5,5a,9b,10,11-decahydro-1*H*-indeno[5,4-*f*]quinoline-1-carboxamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>27</sub>H<sub>33</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>·¼H<sub>2</sub>O  
**Batch Molecular Weight:** 479.06  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 10 mM  
 ethanol to 10 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.55 (Dichloromethane:Methanol [95:5])  
**HPLC:** Shows >99.4% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	67.69	7.05	5.85
Found	67.65	7.24	5.67

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: (1S,3aS,3bS,5aR,9aR,9bS,11aS)-6,9a,11a-Trimethyl-7-oxo-N-[2-(trifluoromethyl)phenyl]-2,3,3a,3b,4,5,5a,9b,10,11-decahydro-1H-indeno[5,4-f]quinoline-1-carboxamide

**Description:**

Potent selective androgen receptor modulator (SARM) (IC<sub>50</sub> = 30 nM). Steroidal compound. Exhibits limited effects on reproductive tissues and sebaceous glands; does not repress AP-1-sensitive MMP-1 reporter. Inhibits 5α-reductase type I and II (IC<sub>50</sub> values are 2 and 3 nM respectively).

**Physical and Chemical Properties:**

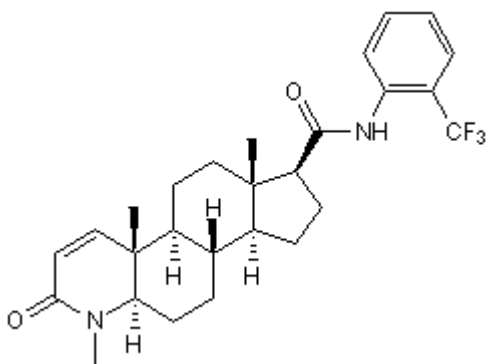
Batch Molecular Formula: C<sub>27</sub>H<sub>33</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>·¼H<sub>2</sub>O

Batch Molecular Weight: 479.06

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 10 mM  
ethanol to 10 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Schmidt et al** (2009) Identification of anabolic selective androgen receptor modulators with reduced activities in reproductive tissues and sebaceous glands. *J.Biol.Chem.* **284** 36367. PMID: 19846549.

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**bio-techne.com**  
info@bio-techne.com  
techsupport@bio-techne.com

**North America**  
Tel: (800) 343 7475

**China**  
info.cn@bio-techne.com  
Tel: +86 (21) 52380373

**Europe Middle East Africa**  
Tel: +44 (0)1235 529449

**Rest of World**  
www.tocris.com/distributors  
Tel: +1 612 379 2956