

Product Name	: BMS-641988
Synonyms	: BMS 641988;BMS641988
Cat No.	: M15093
CAS Number	: 573738-99-5
Molecular Formula	: C ₂₀ H ₂₀ F ₃ N ₃ O ₅ S
Formula Weight	: 471.45
Chemical Name	: N-((3aR,4R,5R,7R,7aS)-2-(4-cyano-3-(trifluoromethyl)phenyl)-4,7-dimethyl-1,3-dioxooctahydro-1H-4,7-epoxyisindol-5-yl)ethanesulfonamide
Description	BMS-641988 is a potent, selective, nonsteroidal androgen receptor antagonist with K_i of 1.7 nM, MDA-MB-453 cell IC₅₀ of 16 nM; displays high selectivity over the glucocorticoid and progesterone receptors; displayed 3-7-fold increased antagonist activity of AR transactivation compared with bicalutamide; strongly inhibits androgen-dependent growth of the ventral prostate and seminal vesicles in rats, and is efficacious in CWR-22-BMSLD1 tumors initially refractory to treatment with bicalutamide. Prostate Cancer Phase 1 Clinical
Pathway	: Endocrinology/Hormones
Target	: Androgen Receptor (AR)
Receptor	: Androgen Receptor (AR)
Solubility	: —
SMILES	: <chem>CCS(=O)(=O)N[C@@H](C[C@]1(C)[C@@]23[H][C@@](O1)(C)[C@]3([H])C(N(C4=CC=C(C#N)C(C(F)(F)F)=C4)C2=O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Balog A, et al. ACS Med Chem Lett. 2015 Jun 19;6(8):908-12. | 2. Attar RM, et al. Cancer Res. 2009 Aug 15;69(16):6522-30. | 3. Rathkopf D, et al. Clin Cancer Res. 2011 Feb 15;17(4):880-7.