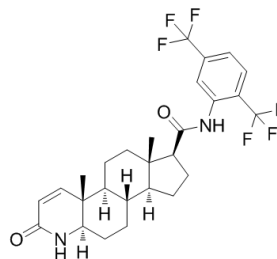


Product Name	: Dutasteride
Synonyms	: LS-173584; LS 173584; LS173584; Dutasteride; Brand name: Avodart
Cat No.	: M12512
CAS Number	: 164656-23-9
Molecular Formula	: C ₂₇ H ₃₀ F ₆ N ₂ O ₂
Formula Weight	: 528.53
Chemical Name	: (4aR,6aS,7S,9aS,9bS,11aR)-N-(2,5-bis(trifluoromethyl)phenyl)-4a,6a-dimethyl-2-oxo-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-1H-indeno[5,4-f]quinoline-7-carboxamide
Description	<p>Dutasteride belongs to a class of drugs called 5-alpha-reductase inhibitors, which block the action of the 5-alpha-reductase enzymes that convert testosterone into dihydrotestosterone (DHT). Finasteride also belongs to this group, but while dutasteride inhibits both isoforms of 5-alpha reductase, finasteride inhibits only one. Even so, a clinical study done by GlaxoSmithKline, the EPICS trial, did not find dutasteride to be more effective than finasteride in treating BPH.</p>
Pathway	: Endocrinology/Hormones
Target	: Reductase
Receptor	: 5-α reductase
Solubility	: Ethanol: 6 mg/mL (11.35 mM); DMSO: 62 mg/mL (117.3 mM)
SMILES	: <chem>C[C@]12CCCC3[C@@H](CC[C@@H]4[C@]3(C)C=CC(N4=O)[C@@H]1CC[C@@H]2C(NC(C=C(C=C5)C(F)(F)F)=C5C(F)(F)F)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Aggarwal S, et al. Steroids. 2010 Feb; 75(2):109-53.