Dutasteride ab141278

Overview

Product name Dutasteride
Description Selective, competitive dual 5α reductase type 1 and type 2 inhibitor
Biological description Selective, competitive dual 5α reductase type 1 and type 2 inhibitor. Blocks the conversion of testosterone into dihydrotestosterone. Shows antitumor effects in vivo. Orally active.
Purity > 99%

Properties

Chemical name (4aR,4bS,6aS,7S,9aS,9bS,11aR)-N-[2,5-Bis(trifluoromethyl)phenyl]-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-2-oxo-1H-Indeno[5,4-f]quinoline-7-carboxamide
Molecular weight 528.53
Chemical structure

Molecular formula C_{27}H_{30}F_6N_2O_2
CAS Number 164656-23-9
PubChem identifier 6918296
Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview Soluble in DMSO to 100 mM and in ethanol to 50 mM
Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES FC(F)(F)c5cc(NC(=O)[C@H]4CC[C@@H]3C@]4(C)CC[C@H]1[C@H]3CC[C@H]2NC(=O)C=C[C@]12C)c(cc5)C(F)
Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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