

Product Name : AZD9496

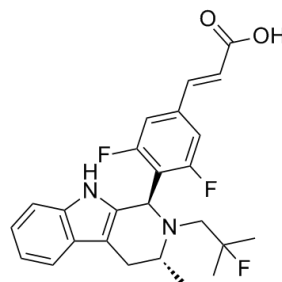
Synonyms : AZD-9496

Cat No. : M12477

CAS Number : 1639042-08-2

Molecular Formula : C₂₅H₂₅F₃N₂O₂

Formula Weight : 442.47



Chemical Name : 2-Propenoic acid, 3-[3,5-difluoro-4-[(1R,3R)-2-(2-fluoro-2-methylpropyl)-2,3,4,9-tetrahydro-3-methyl-1H-pyrido[3,4-b]indol-1-yl]phenyl]-, (2E)-

Description : A potent, selective estrogen receptor downregulator (SERD) with ER downregulation pIC₅₀ of 9.68; shows pM equipotent binding to both ERα and ERβ isoforms, highly selective binding compared with progesterone (~650-fold), glucocorticoid (~11,223-fold), and androgen (~36,375-fold) receptor LBDs; downregulator of ERα in vitro and in vivo in ER-positive models of breast cancer and orally available. Breast Cancer Phase 1 Clinical

Pathway : Endocrinology/Hormones

Target : Estrogen Receptor/ERR

Receptor : ERα

Solubility : DMSO: ≥ 104.5 mg/mL

SMILES : CC1CC2=C(C(N1CC(C)(C)F)C3=C(C=C(C=C3F)C=CC(=O)O)F)NC4=CC=CC=C24

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. De Savi C, et al. J Med Chem. 2015 Oct 22;58(20):8128-40. | 2. Weir HM, et al. Cancer Res. 2016 Jun 1;76(11):3307-18. | 3. Toy W, et al. Cancer Discov. 2017 Mar;7(3):277-287.