

Product Data Sheet

Product Name: BMS 270394

Cat. No.: GC49654

Chemical Properties

Cas. No. 262433-54-5

SMILES OC(C1=CC(F)=C(NC([C@H](O)C2=CC(C(C)(C)CCC3(C)C)=C3C=C2)=O)C=C1)=O

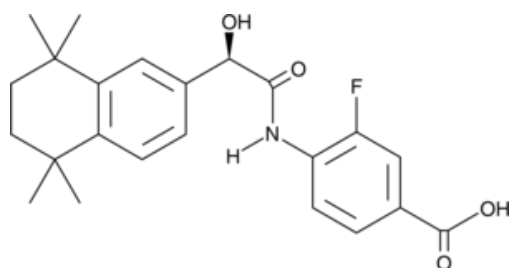
Formula C₂₃H₂₆FNO₄ M.Wt 399.5

Solubility DMSO: 20 mg/ml Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

BMS 270394 is an agonist of retinoic acid receptor γ (RAR γ ; EC₅₀ = 30 nM in a transactivation assay) and the active enantiomer of BMS 189961.¹ It is selective for RAR γ over RAR β (EC₅₀ = 400 nM) and is inactive at RAR α . BMS 270394 synergizes with paclitaxel to inhibit the growth of MCF-7 breast and OVCAR-3 ovarian cancer, as well as SqCC/Y1 head and neck squamous cell carcinoma, cells.²

1. Klaholz, B.P., Mitschler, A., Belema, M., et al. Enantiomer discrimination illustrated by high-resolution crystal structures of the human nuclear receptor hRAR γ . Proc. Natl. Acad. Sci. USA 97(12):6322-6327 (2000) 2. Vivat-Hannah, V., You, D., Rizzo, C., et al. Synergistic cytotoxicity

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

exhibited by combination treatment of selective retinoid ligands with taxol (Paclitaxel)Cancer
Res.61(24)8703-8711(2001)

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA