
Product Data Sheet

Product Name: AGN 196996

Cat. No.: GC35266

Chemical Properties

Cas. No. 958295-17-5

SMILES BrC1=CC(C(=C(C(=O)O)C=C2)O)=CC(C(C3=CC=C(C)C=C3)=O)=C1OCC

Formula $C_{24}H_{20}BrNO_5$ M.Wt 482.32

Solubility Soluble in DMSO Storage Store at -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

AGN 196996 is a potent and selective RAR α antagonist with K_i value of 2 nM; little binding affinity for RAR β ($K_i=1087$ nM) and RAR γ ($K_i=8523$ nM). IC_{50} value: 2 nM (K_i) Target: RAR α antagonist AGN 196996 shows no activity in transactivation assays, but instead block the gene transcriptional activity induced by ATRA and other RAR agonists.

[1]. Hammond LA, et al. Antagonists of retinoic acid receptors (RARs) are potent growth inhibitors of prostate carcinoma cells. Br J Cancer. 2001 Aug 3;85(3):453-62. [2]. Keedwell RG, et al. An antagonist of retinoic acid receptors more effectively inhibits growth of human prostate cancer cells than normal prostate epithelium. Br J Cancer. 2004 Aug 2;91(3):580-8.

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

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