

Product Data Sheet

Product Name: CH-0793076 TFA

Cat. No.: GC60692

Chemical Properties

Cas. No.

SMILES O=C1[C@](O)(CC)C(C=C23)=C(CO1)C(N2CC(C3=N4)=C5N(CCCCC)C=NC6=C5C4=CC=C6)=O.O=C(O)C(F)(F)F

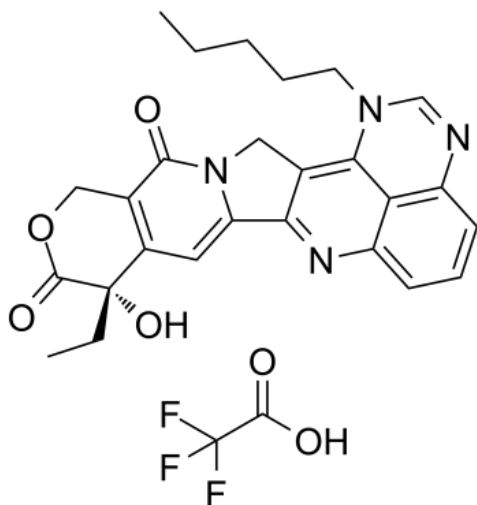
Formula $C_{28}H_{27}F_3N_4O_6$ M.Wt 572.53

Solubility DMSO: 66.67 mg/mL (116.45 mM) 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

CH-0793076 (TP3076) TFA, a hexacyclic camptothecin analog, is active drug and major metabolite of TP300. CH-0793076 TFA inhibits DNA topoisomerase I with an IC₅₀ of 2.3 μM. CH-0793076 TFA is efficacious against cells expressing BCRP (breast cancer resistance protein)[1].

CH0793076 (TP3076) TFA (6 days at 37°C) shows antiproliferative activity against PC-6/BCRP and

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PC-6/pRC cells, with IC50s of 0.35 and 0.18 nM, respectively[1].

[1]. Endo M, et al. A water soluble prodrug of a novel camptothecin analog is efficacious against breast cancer resistance protein-expressing tumor xenografts. Cancer Chemother Pharmacol. 2010 Jan;65(2):363-71.

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