

Product Data Sheet

Product Name: Belvarafenib TFA

Cat. No.: GC35488

Chemical Properties

Cas. No.

SMILES O=C(C(C1=NC=N2)=CSC1=C2N)NC(C3=C4C(NC(C=CC=C5Cl)=C5F)=NC=C3)=C(C=C4)C.OC(C(F)(F)F)=O

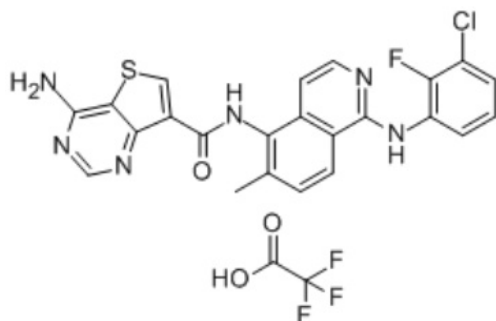
Formula C25H17ClF4N6O3S M.Wt 592.95

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

Belvarafenib (TFA) is a potent and pan RAF (Rapidly Accelerated Fibrosarcoma) inhibitor, with IC₅₀s of 56 nM, 7 nM and 5 nM for B-RAF, B-RAV600E and C-RAF respectively[1]. IC₅₀: 56 nM(B-RAF), 7 nM(B-RAV600E), 5 nM(C-RAF)[1].

Belvarafenib (Example 116) is a potent and pan RAF inhibitor with antineoplastic activity. The IC₅₀ values of Belvarafenib are 56 nM, 7 nM and 5 nM for B-RAF, B-RAV600E and C-RAF respectively.

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

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It also shows high inhibitory activity for FMS, DDR1 and DDR2 kinases, with IC₅₀s of 10 nM, 23 nM and 44 nM, respectively[1].

[1]. WO 2013/100632 A1.

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