

Product Data Sheet

Product Name: CAY10717

Cat. No.: GC43198

Chemical Properties

Cas. No. 1240322-54-6

SMILES O=C(OC)C1=CC2=CC(NCC3=C(C)C=CC(NC(C4=CC(N5C=NC(C)=C5)=CC(C(F)(F)F)=C4)=O)=C3)=CN=C2N1

Formula C₂₉H₂₅F₃N₆O₃

M.Wt 562.5

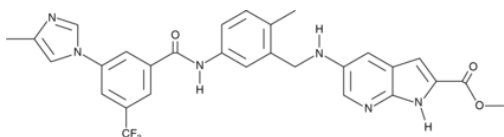
Solubility DMF: 30 mg/ml, DMF:PBS(pH7.2)
(1:2): 0.33 mg/ml, DMSO: 12.5
mg/ml, Ethanol: 0.5 mg/ml

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

CAY10717 is a multi-targeted kinase inhibitor that exhibits greater than 40% inhibition of 34 of 104 kinases in an enzymatic assay at a concentration of 100 nM. It has activity at multiple oncogenic kinases, with IC₅₀ values less than 50 nM against wild-type EGFR and ABL and mutant ABLG250E, ABLY253F, ABLE255K, and B-RafV600E. CAY10717 is highly cytotoxic against a cancer cell panel that includes chemotherapy-sensitive and -resistant cell lines (EC₅₀s = 0.4-158 nM). It also inhibits the growth of human umbilical vein endothelial cells (HUVECs; EC₅₀ = 34 nM), a model for tumor angiogenesis.

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

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