

Product Data Sheet

Product Name: CCT241161

Cat. No.: GC40054

Chemical Properties

Cas. No. 1163719-91-2

SMILES O=C1NC2=NC=CC(OC3=CC=C(NC(NC4=CC(C(C)(C)C)=NN4C5=CC=CC=C5)=O)C(SC)=C3)=C2N=C1

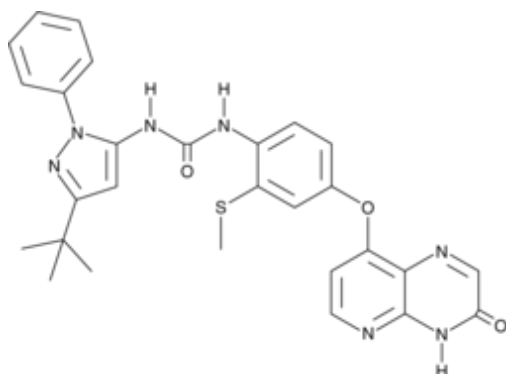
Formula C₂₈H₂₇N₇O₃S M.Wt 541.6

Solubility Soluble in DMSO Storage Store at -20°C

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

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

Structure



Background

CCT241161 is a multi-kinase inhibitor that inhibits B-RAF, B-RAFFV600E, C-RAF, Src, and LCK (IC₅₀s = 252, 15, 6, 15, and 3 nM, respectively). It is selective for RAFs, Src, LCK, and MAPKs in a panel of 63 kinases when used at a concentration of 1 μM. CCT241161 inhibits MEK and ERK signaling in B-RAF mutant WM266.4 cells, but not B-RAF wild-type D35 cells, and inhibits growth of B-RAF mutant melanoma cells in a concentration-dependent manner. In vivo, CCT241161 (20 mg/kg per day) induces tumor regression in a B-RAF mutant A375 mouse xenograft model. CCT241161 also inhibits ERK and Src signaling and induces tumor regression in B-RAF inhibitor-resistant patient-derived xenograft (PDX) mouse models including those resistant to both dabrafenib and trametinib.

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

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