

Product Data Sheet

Product Name: Olmutinib

Cat. No.: GC19270

Chemical Properties

Cas. No. 1353550-13-6

SMILES C=CC(NC1=CC=CC(OC2=C3C(C=CS3)=NC(NC4=CC=C(N5CCN(C)CC5)C=C4)=N2)=C1)=O

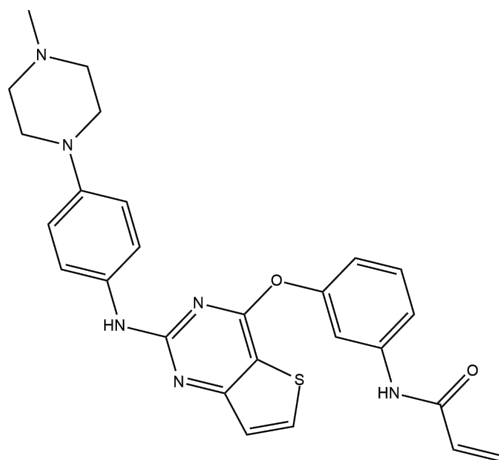
Formula $C_{26}H_{26}N_6O_2S$ M.Wt 486.59

Solubility DMSO : ≥ 44 mg/mL (90.43 mM) 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

Olmutinib (HM61713; BI-1482694) is an irreversible EGFR tyrosine kinase inhibitor that binds to a cysteine residue near the kinase domain.

Olmutinib potently inhibits EGFR in HCC827 cells expressing EGFRDEL19 ($\text{IC}_{50}=9.2$ nM) and H1975 cells expressing EGFR L858R/T790M ($\text{IC}_{50}=10$ nM). In contrast, the IC_{50} of olmutinib against cells expressing EGFRWT is 2225 nM[1].

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

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References:

[1]. Kim ES, et al. Olmutinib: First Global Approval. *Drugs*. 2016 Jul;76(11):1153-7.

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