
Product Data Sheet

Product Name: BIBX 1382 dihydrochloride

Cat. No.: GC50026

Chemical Properties

Cas. No. 1216920-18-1

SMILES Cl.Cl.CN1CCC(CC1)NC1=NC=C2N=CN=C(NC3=CC(Cl)=C(F)C=C3)C2=N1

Formula $C_{18}H_{19}ClFN_7 \cdot 2HCl$ M.Wt 460.77

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

Potent, selective inhibitor of epidermal growth factor receptor (EGFR) tyrosine kinase ($IC_{50} = 3 \text{ nM}$). Displays > 1000-fold lower potency against ErbB2 ($IC_{50} = 3.4 \text{ }\mu\text{M}$) and a range of other related tyrosine kinases ($IC_{50} > 10 \text{ }\mu\text{M}$). Oral administration inhibits growth of established human xenografts in athymic mice.

Dittrich et al (2002) Phase I and pharmacokinetic study of BIBX1382 BS, an epidermal growth factor receptor (EGFR) inhibitor, given in a continuous daily oral administration. Eur.J.Cancer 38 1072 PMID:12008195 | Solca et al (2004) Inhibition of epidermal growth factor receptor activity by two pyrimidopyrimidine derivatives. J.Pharmacol.Exp.Ther. 311 502 PMID:15199094

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

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