

Product Data Sheet

Product Name: Lestaurtinib

Cat. No.: GC17033

Chemical Properties

Cas. No. 111358-88-4

Chemical Name (5S,6S,8R)-6-hydroxy-6-(hydroxymethyl)-5-methyl-7,8,14,15-tetrahydro-5H-16-oxa-4b,8a,14-triaza-5,8-methanodibenzo[b,h]cycloocta[jkl]cyclopenta[e]-as-indacen-13(6H)-one

SMILES O=C(NC1)C2=C1C(C(C=CC=C3)=C3N45)=C4C(N6[C@@H]7O[C@@]5(C)[C@](CO)(O)C7)=C2C8=C6C=CC=C8

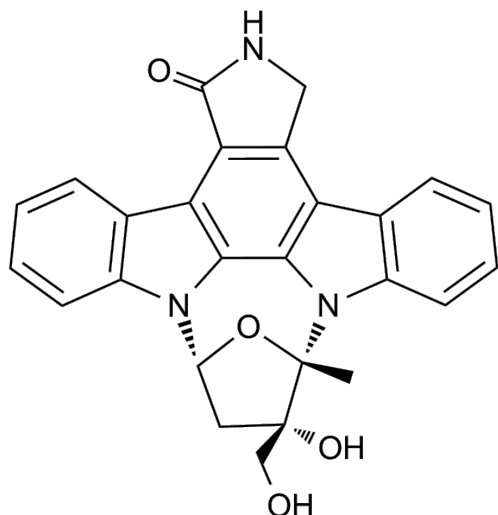
Formula $C_{25}H_{21}N_3O_4$ M.Wt 439.46

Solubility DMF: 5 mg/ml, DMF:PBS (pH 7.2) (1:20): 0.05 mg/ml, DMSO: 3 mg/ml Storage -20°C , protect from light

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 JAK2, FLT3 and TrkA inhibitor (IC_{50} values are 0.9, 3 and < 25 nM respectively) that prevents STAT5 phosphorylation ($\text{IC}_{50} = 20 - 30$ nM). Exhibits antiproliferative activity *in vitro* ($\text{IC}_{50} = 30 - 100$ nM).

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

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nM in HEL92.1.7 cells) and is effective against myeloproliferative disorders *in vivo*.

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