

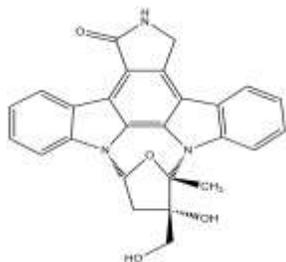
Lestaurtinib

ALTERNATE NAME: CEP-701; KT-5555; SPM-924

CATALOG #: 1805-500, 1000

AMOUNT: 500 µg, 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₂₁N₃O₄

MOLECULAR WEIGHT: 439.46

CAS NUMBER: 111358-88-4

APPEARANCE: Colorless solid

SOLUBILITY: DMSO (100 mg/ml) and Ethanol (20 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: An indolocarbazole derivative with antineoplastic properties. Acts as a potent inhibitor of several tyrosine kinases including FLT3, JAK2, and TrkA with IC₅₀ values of 3, 1, and <25 nM, respectively. It suppresses JAK2/STAT5 signaling and is effective against myeloproliferative disorders *in vivo*.

REFERENCE: Shabbir, M., and Stuart, R. (2010). *Expert Opin. Investig. Drugs* **19**, 427-436; Hexner, E.O., *et al.* (2008). *Blood* **111**, 5663-5671.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- CP-690550 (Cat. No. 1622-5, 25)
- LLL12 (Cat. No. 1792-5, 25)
- Stat1 Antibody (Cat. No. 3133R-100)
- Stat2 Antibody (Cat. No. 3468R-100)
- Phospho-Stat2 Antibody (Cat. No. 3469-1000)
- Stat3 Antibody (Cat. No. 3470R-100)
- Phospho-Stat3 Antibody (Cat. No. 3474-100)
- Stat3 Inhibitor I, S3I-201 (Cat. No. 1775-5, 25)
- Stat3 peptide Inhibitor, Cell-Permeable (Cat. No. 1778-1,5)
- Stat4 Antibody (Cat. No. 3471R-100)
- Stat5 Antibody (Cat. No. 3472-100)
- Phospho-Stat5 Antibody (Cat. No. 3475-100)
- Stat6 Antibody (Cat. No. 3473R-100)
- Phospho-Stat6 Antibody (Cat. No. 3476-100)
- Tyrphostin AG 490 (Cat. No. 1570-5)

FOR RESEARCH USE ONLY! Not to be used on humans.