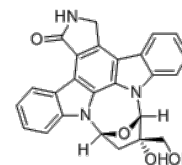


Product Name : Lestaurtinib
Cat. No. : PC-70173
CAS No. : 111358-88-4
Molecular Formula : C₂₆H₂₁N₃O₄
Molecular Weight : 439.46
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

Lestaurtinib (KT-5555, CEP-701) is a potent, orally active **JAK2**, **FLT3** and **TrkA** inhibitor with IC₅₀ of 0.9 nM, 3 nM and < 25 nM, respectively.

Lestaurtinib (KT-5555, CEP-701) also inhibits Aurora A and B (IC₅₀=8.1 and 2.3 nM); prevents STAT5 phosphorylation (IC₅₀=20-30 nM).

Lestaurtinib (KT-5555, CEP-701) exhibits antiproliferative activity in vitro (IC₅₀=30-100 nM in HEL92.1.7 cells).

References

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Weisel KC, et al. *Ann N Y Acad Sci*. 2007 Jun;1106:190-6.

Miknyoczki SJ, et al. *Ann N Y Acad Sci*. 1999 Jun 30;880:252-62.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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