

Product Name	: Lestauritinib
Synonyms	: KT-5555; CEP-701
Cat No.	: M10418
CAS Number	: 111358-88-4
Molecular Formula	: C ₂₆ H ₂₁ N ₃ O ₄
Formula Weight	: 439.46
Chemical Name	: (5R,7S,8S)-7-hydroxy-7-(hydroxymethyl)-5,6,7,8,13,14-hexahydro-15H-16-oxa-4b,8a,14-triaza-5,8-methanodibenzo[b,h]cycloocta[jk]cyclopenta[e]-as-indacen-15-one
Description	: Lestauritinib (KT-5555, CEP-701) is a potent, orally active JAK2, FLT3 and TrkA inhibitor with IC ₅₀ of 0.9 nM, 3 nM and < 25 nM, respectively; also inhibits Aurora A and B (IC ₅₀ =8.1 and 2.3 nM); prevents STAT5 phosphorylation (IC ₅₀ = 20-30 nM), exhibits antiproliferative activity in vitro (IC ₅₀ =30-100 nM in HEL92.1.7 cells). Blood Cancer Phase 3 Clinical
Pathway	: Tyrosine Kinase
Target	: Trk Receptor
Receptor	: Trk Receptor
Solubility	: —
SMILES	: O=C1NCC(C2=C3N([C@]4(C)[C@](CO)(O)C[C@@]5([H])O4)C6=CC=CC=C62)=C1C7=C3N5C8=CC=CC=C78
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hexner EO, et al. Blood. 2008 Jun 15;111(12):5663-71. | 2. Weisel KC, et al. Ann N Y Acad Sci. 2007 Jun;1106:190-6. | 3. Miknyoczki SJ, et al. Ann N Y Acad Sci. 1999 Jun 30;880:252-62.