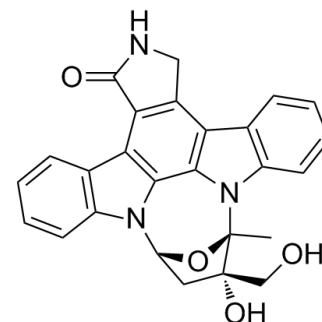


## Lestaurtinib

Cat. No.:	HY-50867		
CAS No.:	111358-88-4		
Molecular Formula:	C <sub>26</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>		
Molecular Weight:	439.46		
Target:	JAK; FLT3; Trk Receptor		
Pathway:	Epigenetics; JAK/STAT Signaling; Stem Cell/WntProtein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Lestaurtinib (CEP-701;KT-5555) is a multi-kinase inhibitor with potent activity against the Trk family of receptor tyrosine kinases. Lestaurtinib inhibits <b>JAK2</b> , <b>FLT3</b> and <b>TrkA</b> with <b>IC<sub>50</sub>s</b> of 0.9, 3 and less than 25 nM, respectively.		
<b>IC<sub>50</sub> &amp; Target</b>	JAK2 0.9 nM (IC <sub>50</sub> )	TrkA 25 nM (IC <sub>50</sub> )	FLT3 3 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Miknyoczki SJ, et al. The novel Trk receptor tyrosine kinase inhibitor CEP-701 (KT-5555) exhibits antitumor efficacy against human pancreatic carcinoma (Panc1) xenograft growth and in vivo invasiveness. *Ann N Y Acad Sci.* 1999 Jun 30;880:252-62.

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

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