

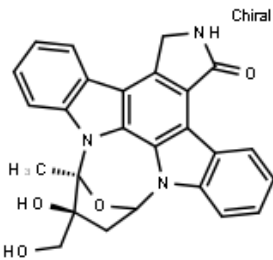
Certificate of Analysis

Target	Inhibitors & Agonists>>Others>>Other Targets
Cat.No	DC22807
Name	Lestaurtinib

Tel: +86-21-58447131
Fax: +86-21-61642470

Email:
sales@dcchemicals.com
order@dcchemicals.com

Chemical Properties

CAS	111358-88-4
Formula	C ₂₆ H ₂₁ N ₃ O ₄
MW	439.46
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of Lestaurtinib is a complex polycyclic molecule. It features a central benzimidazole core. One of the benzimidazole nitrogens is substituted with a phenyl ring. The other nitrogen is part of a fused bicyclic system that includes a piperidine ring. This piperidine ring has a hydroxyl group (-OH) and a methyl group (-CH₃) attached to it. The methyl group is shown with a dashed bond, indicating it is on the opposite side of the ring from the hydroxyl group. Another nitrogen atom in the structure is part of a five-membered ring containing a carbonyl group (=O) and a hydrogen atom (NH). This nitrogen is labeled as 'Chiral'. The overall structure is highly substituted and contains multiple stereocenters.</p>
Purity	>98%

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