



Product Specification Sheet

Product Name: Anlotinib

Catalog Number: C2656

Technical information:

Chemical Formula: $C_{23}H_{22}FN_3O_3$

CAS #: 1058156-90-3

Molecular Weight: 407.4

Purity: > 98%

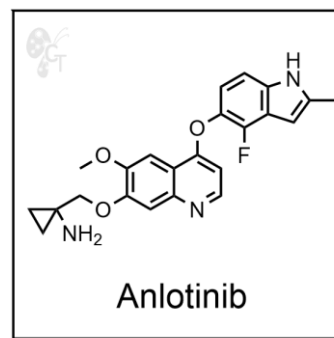
Appearance: Off-white solid

Solubility: Soluble in DMSO up to 200 mM

Chemical Name: 1-(((4-((4-Fluoro-2-methyl-1H-indol-5-yl)oxy)-6-methoxyquinolin-7-yl)oxy)methyl)cyclopropanamine

Storage: For longer shelf life, store solid powder or DMSO solution at -20°C desiccated.

Shelf Life: In the unopened package, powder is stable for 1 year and DMSO solution is stable for 6 months under proper storage condition.



- Handling:**
- To make 10 mM stock solution, add 0.245mL of DMSO for each mg of Anlotinib.
 - For DMSO solution, briefly spin the vial at 500 rpm in a 50 mL conical tube to ensure maximum sample recovery.

Biological Activity: Anlotinib is a new, orally administered tyrosine kinase inhibitor that targets vascular endothelial growth factor receptor (VEGFR), fibroblast growth factor receptor (FGFR), platelet-derived growth factor receptors (PDGFR), and stem cell factor receptor (c-Kit) [1]. Anlotinib showed a significant inhibitory effect on VEGF/PDGF-BB/FGF-2-induced angiogenesis in vitro and in vivo [2]. Anlotinib has been approved in china as a third-line therapy in patients with refractory advanced non-small-cell lung cancer. Anlotinib is also undergoing phase II and/or III clinical development for various sarcomas and carcinomas [3]

- Reference:**
1. Shen G, et al. Anlotinib: a novel multi-targeting tyrosine kinase inhibitor in clinical development. J Hematol Oncol. 2018; 11:120 Pubmed ID: doi.org/10.1186/s13045-018-0664-7
 2. Lin B, et al. Anlotinib inhibits angiogenesis via suppressing the activation of VEGFR2, PDGFR β and FGFR1. Gene 2020; 723:144119 Pubmed ID: S0378111918301550
 3. Syed YY. Anlotinib: First Global Approval. Drugs 2018; 78:1057–1062 Pubmed ID: doi.org/10.1007/s40265-018-0961-z

To reorder: <http://www.cellagentech.com/Anlotinib/>

For Technical Support: technical@cellagentech.com

Chemicals are sold for research use only, not for clinical or diagnostic use.