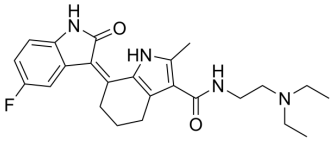
Tafetinib

Cat. No.:	HY-116116
CAS No.:	1032265-57-8
Molecular Formula:	$C_{24}H_{29}FN_4O_2$
Molecular Weight:	424.51
Target:	c-Kit; RET; VEGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tafetinib (SIM010603) is an oral multi-targets receptor tyrosine kinases inhibitor. Tafetinib inhibitsstem cell factor receptor (Kit),vascular endothelial growth factor receptor-2 (VEGFR-2),platelet-derived growth factor receptor-β (PDGFR-β),glial cell line-derived neurotrophic factor receptor (Rearranged during Transfection; RET), andFms-like tyrosine kinase-3 (FLT3)with IC_{50}values between 5.0 and 68.1 nmol/l. Tafetinib inhibits the phosphorylation ofPDGFR-βandVEGFR-2. Tafetinib inhibits endothelial cell proliferation, endothelial cells chemotaxis, and corneal angiogenesis[1].

REFERENCES

[1]. Wang D, et al. Preclinical anti-angiogenesis and anti-tumor activity of SIM010603, an oral, multi-targets receptor tyrosine kinases inhibitor. Cancer Chemother Pharmacol. 2012;69(1):173-183.

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