



LKT Laboratories, Inc.

Motesanib

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID M5876

CAS No. 453562-69-1

Chemical Name N-(2,3-Dihydro-3,3-dimethyl-1H-indol-6-yl)-2-[(4-pyridinylmethyl)amino]-3-pyridinecarboxamide

Synonym AMG-706

Formula C₂₂H₂₃N₅O

Formula Wt. 373.45

Melting Point

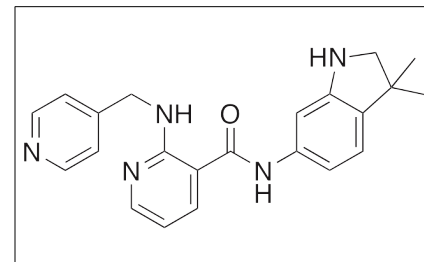
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Motesanib is an inhibitor of VEGFR 1/2/3, PDGFR, c-Kit, and RET that displays anticancer chemotherapeutic and anti-angiogenic activities. In vivo, motesanib inhibits tumor growth of xenografts of various cancers. Motesanib is currently in clinical trials as a potential treatment for non-small cell lung cancer (NSCLC), breast cancer, and medullary thyroid cancer.



Bulk quantities available upon request

Product ID	Size
M5876	1 mg
M5876	5 mg
M5876	10 mg
M5876	25 mg

References Ellis PM, Al-Saleh K. Multitargeted anti-angiogenic agents and NSCLC: clinical update and future directions. *Crit Rev Oncol Hematol.* 2012 Oct;84(1):47-58. PMID: 22405734.

Coxon A, Ziegler B, Kaufman S, et al. Antitumor activity of motesanib alone and in combination with cisplatin or docetaxel in multiple human non-small-cell lung cancer xenograft models. *Mol Cancer.* 2012 Sep 19;11:70. PMID: 22992329.

Coxon A, Bready J, Kaufman S, et al. Anti-tumor activity of motesanib in a medullary thyroid cancer model. *J Endocrinol Invest.* 2012 Feb;35(2):181-90. PMID: 21422803.

Raghav KP, Blumenschein GR. Motesanib and advanced NSCLC: experiences and expectations. *Expert Opin Investig Drugs.* 2011 Jun;20(6):859-69. PMID: 21534718.

Polverino A, Coxon A, Starnes C, et al. AMG 706, an oral, multikinase inhibitor that selectively targets vascular endothelial growth factor, platelet-derived growth factor, and kit receptors, potently inhibits angiogenesis and induces regression in tumor xenografts. *Cancer Res.* 2006 Sep 1;66(17):8715-21. PMID: 16951187.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.