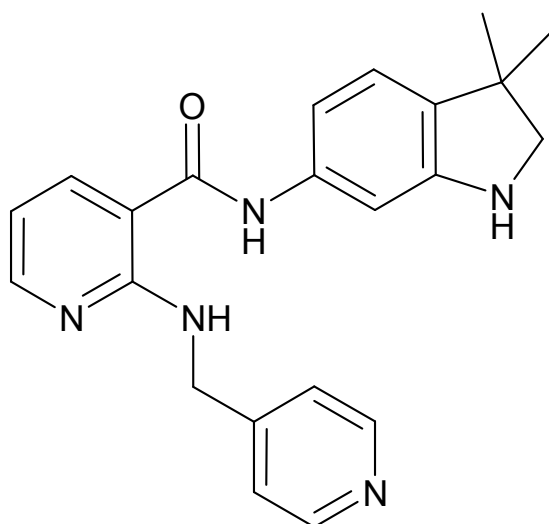


Motesanib

SYN-1055



N-(3,3-dimethylindolin-6-yl)-2-(pyridin-4-ylmethylamino)nicotinamide

CAS Registry No.: 453562-69-1

Smiles String:

CC1(C)CNc2ccc(cc2)NC(=O)c3cccnc3NCc4ccncc4

Molecular Weight: 373.45

Molecular Formula: C₂₂H₂₃N₅O

Lot Number: Refer to vial

¹H-NMR: Available on request

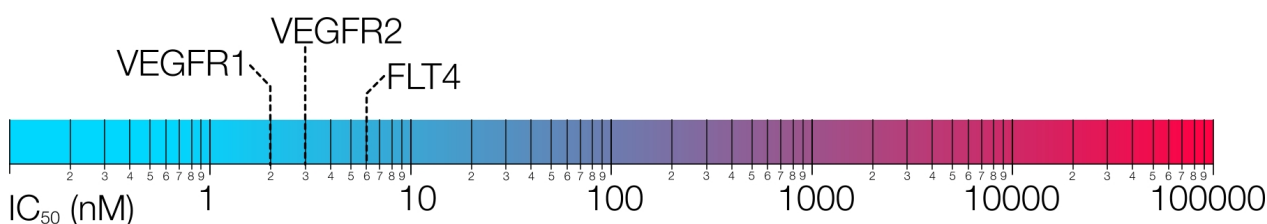
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

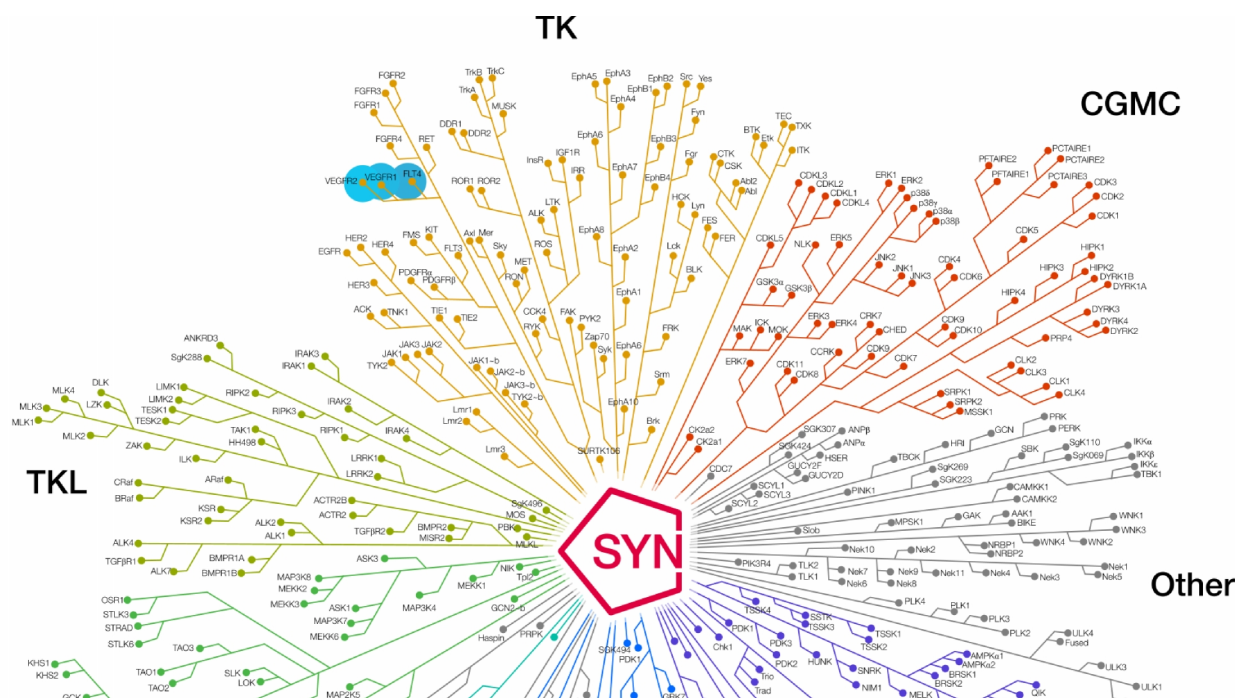
Description:

Motesanib (AMG 706) is a multi-targeted anti-cancer agent with an inhibitory action on human vascular endothelial growth factor receptors 1, 2 and 3 (VEGFR1-3) with IC₅₀ values of 2 nM, 3 nM and 6 nM. It also inhibits platelet-derived growth factor receptor (PDGFR) and cellular stem-cell factor receptor (c-KIT).

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

DMSO 100mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3735	3.7350	7.4700	18.6750

References

1. Polverino A, Coxon A, Starnes C, Diaz Z, DeMelfi T, Wang L, Bready J, Estrada J, Cattley R, Kaufman S, Chen D, Gan Y, Kumar G, Meyer J, Neervannan S, Alva G, Talvenheimo J, Montestruque S, Tasker A, Patel V, Radinsky R, Kendall R . 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.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)