



LKT Laboratories, Inc.

AMG-458

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Product Information

Product ID A4926

CAS No. 913376-83-7

Chemical Name 1-(2-hydroxy-2-methylpropyl)-N-[5-(7-methoxyquinolin-4-yl)oxypyridin-2-yl]-5-methyl-3-oxo-2-phenylpyrazole-4-carboxamide

Synonym AMG458

Formula C₃₀H₂₉N₅O₅

Formula Wt. 539.58

Melting Point

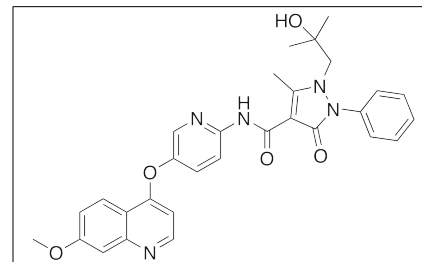
Purity ≥98%

Solubility DMSO 21 mg/mL (38.91 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description AMG-458 is an inhibitor of c-MET that exhibits anticancer chemotherapeutic activity. AMG-458 enhances the radiosensitivity of lung adenocarcinoma cells, decreasing activation of Akt and ERK and inducing apoptosis. In vivo, this compound inhibits the growth of glioblastoma tumors.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A4926	1 mg	\$136.70
A4926	5 mg	\$474.10

References Li B, Torossian A, Sun Y, et al. Higher levels of c-Met expression and phosphorylation identify cell lines with increased sensitivity to AMG-458, a novel selective c-Met inhibitor with radiosensitizing effects. *Int J Radiat Oncol Biol Phys*. 2012 Nov 15;84(4):e525-31. PMID: 22836051.

Liu L, Siegmund A, Xi N, et al. Discovery of a potent, selective, and orally bioavailable c-Met inhibitor: 1-(2-hydroxy-2-methylpropyl)-N-[5-(7-methoxyquinolin-4-yl)oxypyridin-2-yl]-5-methyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazole-4-carboxamide (AMG 458). *J Med Chem*. 2008 Jul 10;51(13):3688-91. PMID: 18553959.

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