



LKT Laboratories, Inc.

AZD-4547

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Product Information

Product ID A9814

CAS No. 1035270-39-3

Chemical Name

Synonym AZD-4547

Formula $C_{26}H_{33}N_5O_3$

Formula Wt. 463.57

Melting Point

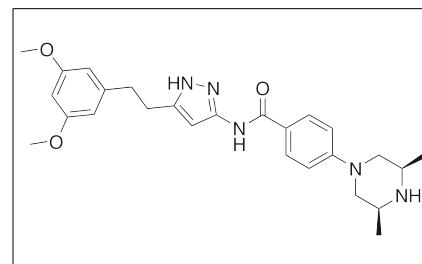
Purity $\geq 98\%$

Solubility DMSO 92 mg/mL (198.45 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description AZD-4547 is an inhibitor of FGFR that is somewhat selective for FGFR2 over FGFR1 and FGFR3; it exhibits anticancer chemotherapeutic activities. This compound is currently in clinical trials as a potential treatment for breast cancer. In breast cancer cells, AZD-4547 induces apoptosis and inhibits cellular proliferation, invasion and migration. In vivo, this compound inhibits tumor growth and metastasis.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A9814	5 mg	\$109.30
A9814	10 mg	\$168.80

References Liu L, Ye TH, Han YP, et al. Reductions in myeloid-derived suppressor cells and lung metastases using AZD4547 treatment of a metastatic murine breast tumor model. *Cell Physiol Biochem*. 2014;33(3):633-45. PMID: 24642893.

Zhang J, Zhang L, Su X, et al. Translating the therapeutic potential of AZD4547 in FGFR1-amplified non-small cell lung cancer through the use of patient-derived tumor xenograft models. *Clin Cancer Res*. 2012 Dec 15;18(24):6658-67. Erratum in: *Clin Cancer Res*. 2013 Jul 1;19(13):3714. Schöttle, Jakob [added]. PMID: 23082000.

Gavine PR, Mooney L, Kilgour E, et al. AZD4547: an orally bioavailable, potent, and selective inhibitor of the fibroblast growth factor receptor tyrosine kinase family. *Cancer Res*. 2012 Apr 15;72(8):2045-56. PMID: 22369928.

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