



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

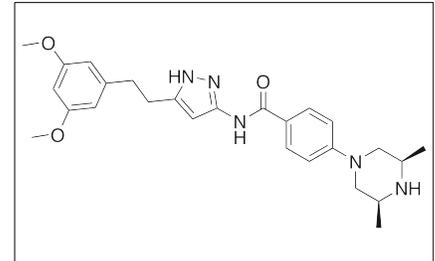
Purity $\geq 98\%$

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

Store Temp $-20^{\circ}C$

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.



Bulk quantities available upon request

Product ID	Size
A9814	5 mg
A9814	10 mg

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.