



LKT Laboratories, Inc.

**AZD-5438**

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

## Product Information

**Product ID** A965121

**CAS No.** 602306-29-6

**Chemical Name** 4-(1-isopropyl-2-methyl-1H-imidazol-5-yl)-N-(4-(methylsulfonyl)phenyl)pyrimidin-2-amine

**Synonym** AZD5438; MMV676604

**Formula** C<sub>18</sub>H<sub>21</sub>N<sub>5</sub>O<sub>2</sub>S

**Formula Wt.** 371.45

**Melting Point**

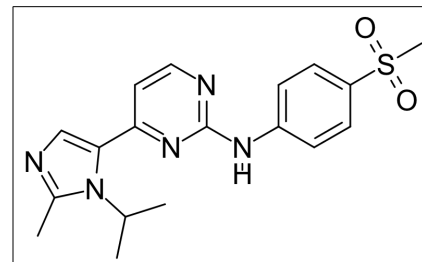
**Purity** ≥98%

**Solubility** Insoluble in water. Soluble in DMSO (>20 mg/mL).

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** AZD-5438 is a Cdk inhibitor that has been found to be a potent radiosensitizer in non-small cell lung cancer. AZD-5438 has also been shown to inhibit human tumor xenograft growth and reduce the proportion of actively cycling cells.



**Bulk quantities available upon request**

**Product ID** **Size**

A965121 5 mg

A965121 25 mg

A965121 100 mg

**References** Raghavan P, Tumati V, Yu L, et al. AZD5438, an inhibitor of Cdk1, 2, and 9, enhances the radiosensitivity of non-small cell lung carcinoma cells. *Int J Radiat Oncol Biol Phys.* 2012 Nov 15;84(4):e507-514. PMID: 22795803.

Byth KF, Thomas A, Hughes G, et al. AZD5438, a potent oral inhibitor of cyclin-dependent kinases 1, 2, and 9, leads to pharmacodynamic changes and potent antitumor effects in human tumor xenografts. *Mol Cancer Ther.* 2009 Jul;8(7):1856-1866. PMID: 19509270.

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