



LKT Laboratories, Inc.

**AEE-788**

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## Product Information

**Product ID** A1616

**CAS No.** 497839-62-0

**Chemical Name** 6-{4-[(4-Ethyl-1-piperazinyl)methyl]phenyl}-N-[(1R)-1-phenylethyl]-1H-pyrrolo[2,3-d]pyrimidin-4-amine

**Synonym** AEE788, NVP-AEE788

**Formula** C<sub>27</sub>H<sub>32</sub>N<sub>6</sub>

**Formula Wt.** 440.60

**Melting Point**

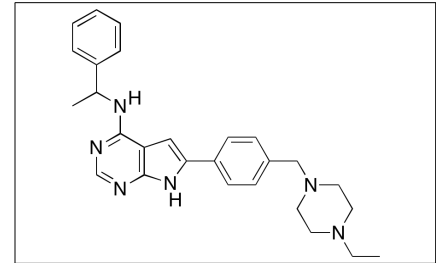
**Purity** ≥98%

**Solubility** 100mM in DMSO  
insoluble in ethanol and  
H<sub>2</sub>O

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** AEE-788 is an inhibitor of EGFR, HER2, VEGFR2, and FLT3 that exhibits anticancer chemotherapeutic activity. In animal models with ependymoma xenografts, AEE-788 increases survival rates. In acute myelogenous leukemia (AML) cells, AEE-788 inhibits cell proliferation and induces apoptosis. This compound displays mixed results in a clinical setting due to high toxicity.



**Bulk quantities available upon request**

Product ID	Size
A1616	1 mg
A1616	5 mg
A1616	25 mg

**References** Baselga J, Mita AC, Schöffski P, et al. Using pharmacokinetic and pharmacodynamic data in early decision making regarding drug development: a phase I clinical trial evaluating tyrosine kinase inhibitor, AEE788. *Clin Cancer Res.* 2012 Nov 15;18(22):6364-72. PMID: 23014528.

Servidei T, Meco D, Trivieri N, et al. Effects of epidermal growth factor receptor blockade on ependymoma stem cells in vitro and in orthotopic mouse models. *Int J Cancer.* 2012 Sep 1;131(5):E791-803. PMID: 22120695.

Reardon DA, Conrad CA, Cloughesy T, et al. Phase I study of AEE788, a novel multitarget inhibitor of ErbB- and VEGF-receptor-family tyrosine kinases, in recurrent glioblastoma patients. *Cancer Chemother Pharmacol.* 2012 Jun;69(6):1507-18. PMID: 22392572.

Barbarroja N, Torres LA, Rodriguez-Ariza A, et al. AEE788 is a vascular endothelial growth factor receptor tyrosine kinase inhibitor with antiproliferative and proapoptotic effects in acute myeloid leukemia. *Exp Hematol.* 2010 Aug;38(8):641-52. PMID: 20380868.

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