



LKT Laboratories, Inc.

NVP-AEW541

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Product Information

Product ID N8561

CAS No. 475489-16-8

Chemical Name 7-[3-(azetidin-1-ylmethyl)cyclobutyl]-5-(3-phenylmethoxyphenyl)pyrrolo[2,3-d]pyrimidin-4-amine

Synonym AEW-541

Formula C₂₇H₂₉N₅O

Formula Wt. 439.55

Melting Point

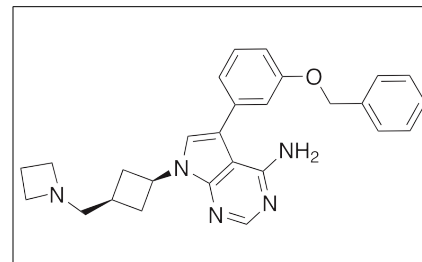
Purity ≥98%

Solubility DMSO 88 mg/mL (200.2 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description NVP-AEW541 is an inhibitor of IGF-1R that exhibits anticancer activity, inhibiting proliferation of pituitary tumor cells. This compound also increases sensitivity to other co-administered chemotherapeutics in pancreatic cancer cells, glioma cells, and prostate cancer cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
N8561	1mg	\$65.00
N8561	5 mg	\$130.00
N8561	25 mg	\$375.00

References Rubinfeld H, Kammer A, Cohen O, et al. IGF1 induces cell proliferation in human pituitary tumors - Functional blockade of IGF1 receptor as a novel therapeutic approach in non-functioning tumors. *Mol Cell Endocrinol.* 2014 Apr 24;390(1-2):93-101. [Epub ahead of print]. PMID: 24769281.

Ioannou N, Seddon AM, Dalglish A, et al. Treatment with a combination of the ErbB (HER) family blocker afatinib and the IGF-IR inhibitor, NVP-AEW541 induces synergistic growth inhibition of human pancreatic cancer cells. *BMC Cancer.* 2013 Jan 31;13:41. PMID: 23367880.

Ischaert SF, Swinnen JV, McBride WH, et al. Insulin-like growth factor-type 1 receptor inhibitor NVP-AEW541 enhances radiosensitivity of PTEN wild-type but not PTEN-deficient human prostate cancer cells. *Int J Radiat Oncol Biol Phys.* 2011 Sep 1;81(1):239-47. PMID: 21816290.

Premkumar DR, Jane EP, Pollack IF. Co-administration of NVP-AEW541 and dasatinib induces mitochondrial-mediated apoptosis through Bax activation in malignant human glioma cell lines. *Int J Oncol.* 2010 Sep;37(3):633-43. PMID: 20664932.

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