



LKT Laboratories, Inc.

Abemaciclib

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Product Information

Product ID A044176

CAS No. 1231929-97-7

Chemical Name N-(5-((4-ethylpiperazin-1-yl)methyl)pyridin-2-yl)-5-fluoro-4-(4-fluoro-1-isopropyl-2-methyl-1H-benzo[d]imidazol-6-yl)pyrimidin-2-amine

Synonym LY2835219

Formula C₂₇H₃₂F₂N₈

Formula Wt. 506.61

Melting Point

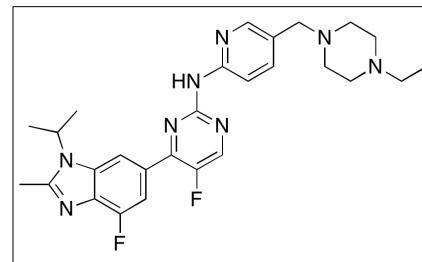
Purity ≥98%

Solubility 10 mM in DMSO;
Soluble in dilute Acidic solution. Insoluble in Water

Store Temp -20°C

Ship Temp Ambient

Description Abemaciclib is a CDK4 and CDK6 inhibitor found to inhibit retinoblastoma phosphorylation, leading to G1/S arrest in ER+ breast cancer cells and to promote metabolic alterations in metastatic HR+ breast cancer cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A044176	5 mg	\$97.70
A044176	25 mg	\$217.90
A044176	100 mg	\$601.00

References Torres-Guzman R, Calsina B, Hermoso A, et al. Preclinical characterization of abemaciclib in hormone receptor positive breast cancer. *Oncotarget*. 2017 May 10. Epub ahead of print. PMID: 28537883

Tate SC, Burke TF, Hartman D, et al. Optimising the combination dosing strategy of abemaciclib and vemurafenib in BRAF-mutated melanoma xenograft tumours. *Br J Cancer*. 2016 Mar 15;114(6):669-679. PMID: 26978007

Knudsen ES, Hutcheson J, Vail P, et al. Biological specificity of CDK4/6 inhibitors: dose response relationship, in vivo signaling, and composite response signature. *Oncotarget*. 2017 Jun 10. Epub ahead of print. PMID: 28620137

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