LKT Laboratories, Inc.

AZD-8186

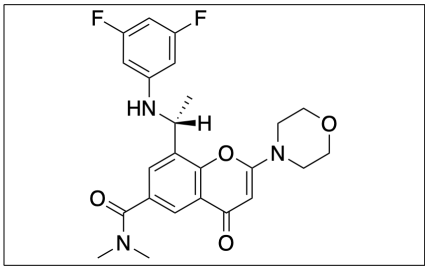
Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A985132
CAS No. 1627494-13-6
Chemical Name

Synonym AZD 8186, AZD8186

Formula $C_{24}H_{25}F_2N_3O_4$
Formula Wt. 457.48
Melting Point
Purity ≥99%
Solubility



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
A985132	5 mg	$71.40
A985132	25 mg	$227.20
A985132	100 mg	$713.80

Store Temp -20˚C
Ship Temp Ambient

Description AZD-8186 is a potent and selective inhibitor of PI3Kβ and PI3Kδ. It shows efficacy against PTEN-null tumors, which become dependent on the PI3Kβ isoform. The loss of the PTEN protein results in upregulation of the PI3K/AKT pathway, making small molecules that target PI3Kβ viable in cancers like PTEN-deficient breast and prostate tumors.

References

Barlaam B., Cosulich S., et al. Discovery of (R)-8-(1-(3,5-difluorophenylamino)ethyl)-N,N-dimethyl-2-morpholino-4-oxo-4H-chromene-6-carboxamide (AZD8186): a potent and selective inhibitor of PI3Kβ and PI3Kδ for the treatment of PTEN-deficient cancers. J Med Chem. 58(2):943-62 (2015). PMID: 25514658.

Lynch J., Planska U., et al. Inhibiting PI3Kβ with AZD8186 Regulates Key Metabolic Pathways in PTEN-Null Tumors. Clin Cancer Res. 23(24):7584-95 (2017). PMID: 28972046.

Hancox U., Cosulich S., et al. Inhibition of PI3Kβ signaling with AZD8186 inhibits growth of PTEN-deficient breast and prostate tumors alone and in combination with docetaxel. Mol Cancer Ther. 14(1):48-58 (2015). PMID: 25398829.

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