



LKT Laboratories, Inc.

PIK-75

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Product Information

Product ID P333400

CAS No. 372196-67-3

Chemical Name

Synonym PIK 75, PIK75

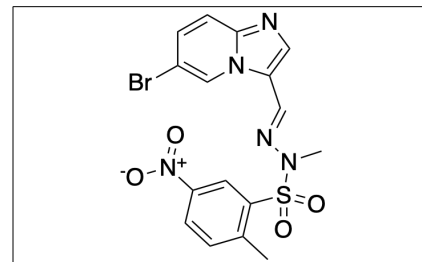
Formula $C_{16}H_{14}BrN_5O_4S$

Formula Wt. 452.28

Melting Point

Purity $\geq 98\%$

Solubility



Product ID Size

P333400 5 mg

P333400 25 mg

P333400 100 mg

Store Temp -20°C

Ship Temp Ambient

Description PIK-75 is a selective inhibitor of p110 α , an isoform of PI3K. When combined with gemcitabine, PIK-75 reduced NRF2 protein levels, augmenting the antitumor effect of gemcitabine in human pancreatic cancer cell lines. PIK-75 was chosen over several other PI3K/Akt pathway inhibitors and used with the Braf inhibitor vemurafenib in models of advanced melanoma.

References Duong H., Yi Y., et al. Inhibition of NRF2 by PIK-75 augments sensitivity of pancreatic cancer cells to gemcitabine. *Int J Oncol.* 44(3):959-69 (2014). PMID: 2436609.

Pedini F., De Luca G., et al. Joint action of miR-126 and MAPK/PI3K inhibitors against metastatic melanoma. *Mol Oncol.* 2019. PMID: 31115969.

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