



LKT Laboratories, Inc.

GDC-0980

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

Product Information

Product ID G1209

CAS No. 1032754-93-0

Chemical Name

Synonym RG7422

Formula $C_{23}H_{30}N_8O_3S$

Formula Wt. 498.60

Melting Point

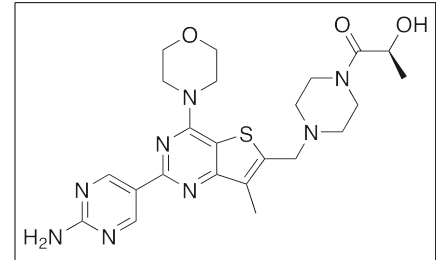
Purity $\geq 98\%$

Solubility DMSO 20 mg/mL (40.11 mM)
Water Insoluble
Ethanol Insoluble

Store Temp 4° C

Ship Temp Ambient

Description GDC-0980 is an inhibitor of PI3K and mTORC1/2 that exhibits anticancer chemotherapeutic and anti-angiogenic activities. GDC-0980 inhibits cell growth in uterine serous carcinoma cells and decreases vascular density by altering vascular permeability parameter K (trans) in other cellular models. GDC-0980 inhibits cell growth and tumor growth across many cancer cell lines and models, including breast cancer, prostate cancer, and lung cancer.



Bulk quantities available upon request

| Product ID | Size |
|------------|-------|
| G1209 | 1 mg |
| G1209 | 5 mg |
| G1209 | 10 mg |

References English DP, Bellone S, Cocco E, et al. Oncogenic PIK3CA gene mutations and HER2/neu gene amplifications determine the sensitivity of uterine serous carcinoma cell lines to GDC-0980, a selective inhibitor of Class I PI3 kinase and mTOR kinase (TORC1/2). *Am J Obstet Gynecol.* 2013 Nov;209(5):465.e1-9. PMID: 23891627.

Sampath D, Oeh J, Wyatt SK, et al. Multimodal microvascular imaging reveals that selective inhibition of class I PI3K is sufficient to induce an antivasular response. *Neoplasia.* 2013 Jul;15(7):694-711. PMID: 23814482.

Wallin JJ, Edgar KA, Guan J, et al. GDC-0980 is a novel class I PI3K/mTOR kinase inhibitor with robust activity in cancer models driven by the PI3K pathway. *Mol Cancer Ther.* 2011 Dec;10(12):2426-36. PMID: 21998291.

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