



LKT Laboratories, Inc.

OTS-964

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## Product Information

Product ID O783720

CAS No. 1338545-07-5

Chemical Name

Synonym

Formula  $C_{22}H_{22}N_2O_2S$

Formula Wt. 378.49

Melting Point

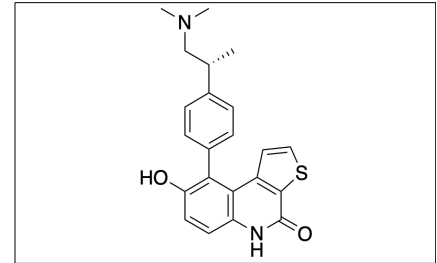
Purity  $\geq 98\%$

Solubility

Store Temp  $-20^{\circ}C$

Ship Temp

**Description** OTS-964 is an inhibitor of T-lymphokine-activated killer cell-originated protein kinase (TOPK). This kinase plays an integral role in the mitosis of cancer cells, including lung and triple negative breast cancers. OTS-964 induces apoptosis in cancer cells in vitro and in xenograft models of human lung cancer. It also exhibits efficacy in controlling the regrowth of glioma stem cell populations, limiting recurrence.



**Product ID** **Size**

O783720 5 mg

O783720 25 mg

O783720 100 mg

**References** Matsuo Y., Park J., et al. TOPK inhibitor induces complete tumor regression in xenograft models of human cancer through inhibition of cytokinesis. *Sci Transl Med.* 6(250):269ra145 (2014). PMID: 25338756.

Sugimori M., Hayakawa Y., et al. The combined efficacy of OTS964 and temozolomide for reducing the size of power-law coded heterogeneous glioma stem cell populations. *Oncotarget.* 10(24):2397-2415 (2019). PMID: 31040930.

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