



LKT Laboratories, Inc.

OTSSP167 Hydrochloride

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Product Information

Product ID O783743

CAS No. 1431698-10-0

Chemical Name

Synonym OTS167 Hydrochloride; OTSSP167 (hydrochloride); OTSSP167 HCL

Formula $C_{25}H_{29}Cl_3N_4O_2$

Formula Wt. 523.88

Melting Point

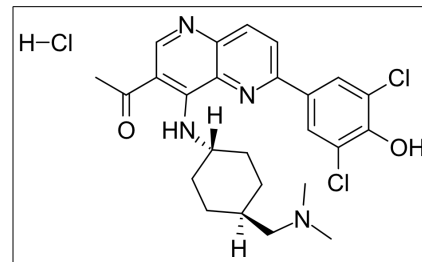
Purity $\geq 98\%$

Solubility

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

Ship Temp Ambient

Description OTSSP167 inhibits maternal embryonic leucine zipper kinase (MELK). MELK has been identified as a possible therapeutic target for breast cancer, and is highly upregulated in other cancer types. OTSSP167 suppresses mammosphere formation of breast cancer cells and tumor growth in xenograft studies. In epithelial ovarian cancer, treatment with OTSSP167 reduced cell proliferation through G2/M cell cycle arrest resulting in apoptosis, even in cisplatin-resistant and paclitaxel-resistant cancer cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O783743	1 mg	\$84.40
O783743	5 mg	\$292.10
O783743	25 mg	\$908.50

References Chung S., Suzuki H., et al. Development of an orally-administrative MELK-targeting inhibitor that suppresses the growth of various types of human cancer. *Oncotarget*. (12):1629-40 (2012). PMID: 23283305.

Kholer R., Kettelhack H., et al. MELK expression in ovarian cancer correlates with poor outcome and its inhibition by OTSSP167 abrogates proliferation and viability of ovarian cancer cells. *Gynecol Oncol*. 145(1):159-166 (2017). PMID: 28214016.

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