



LKT Laboratories, Inc.

MZ1

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Product Information

Product ID M961001

CAS No. 1797406-69-9

Chemical Name

Synonym MZ 1; MZ-1

Formula $C_{49}H_{60}ClN_9O_8S_2$

Formula Wt. 1002.6

Melting Point

Purity 98%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description MZ1 is a PROTAC (Proteolysis Targeting Chimera) composed of the BET bromodomain binder JQ1 linked to the VHL E3 ligase ligand VH032. MZ1 induces rapid, preferential degradation of BRD4 over BRD2 and BRD3, demonstrating the concept of selectivity achievable through targeted protein degradation beyond that of the underlying monovalent inhibitor. MZ1 is an important tool for studying BRD4-specific functions in transcriptional regulation, super-enhancer biology, and cancer gene expression.

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M961001	1 mg	\$75.00
M961001	5 mg	\$145.00
M961001	25 mg	\$375.00
M961001	100 mg	\$950.00

- References**
1. Zengerle M, Chan KH, Ciulli A. Selective Small Molecule Induced Degradation of the BET Bromodomain Protein BRD4. *ACS Chem Biol*. 2015;10(8):1770-7. PMID: 26035625.
 2. Filippakopoulos P, Qi J, Picaud S, et al. Selective inhibition of BET bromodomains. *Nature*. 2010;468(7327):1067-73. PMID: 20871596.
 3. Buckley DL, Van Molle I, Gareiss PC, et al. Targeting the von Hippel-Lindau E3 ubiquitin ligase using small molecules to disrupt the VHL/HIF-1 α interaction. *J Am Chem Soc*. 2012;134(10):4465-8. PMID: 22369643.
 4. Cromm PM, Crews CM. Targeted Protein Degradation: from Chemical Biology to Drug Discovery. *Cell Chem Biol*. 2017;24(9):1181-1190. PMID: 28938091.
 5. Lv L, Chen P, Cao L, et al. Discovery of a molecular glue promoting CDK12-DDB1 interaction to trigger cyclin K degradation. *eLife*. 2020;9:e59994. PMID: 32955436.

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