



LKT Laboratories, Inc.

PFI-1

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## Product Information

Product ID P2133

CAS No. 1403764-72-6

**Chemical Name**

Synonym PF-06405761

Formula  $C_{16}H_{17}N_3O_4S$

Formula Wt. 347.39

**Melting Point**

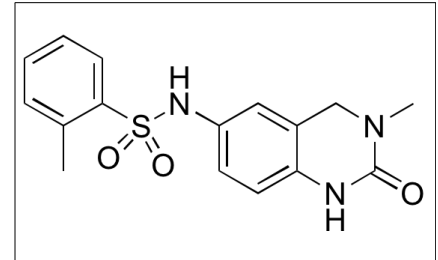
Purity  $\geq 98\%$

Solubility DMSO 69 mg/mL (198.62 mM)  
Water Insoluble  
Ethanol Insoluble

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

Ship Temp Ambient

**Description** PFI-1 is an inhibitor of BET bromodomains (BRDs) that prevents the association of BET with histones; it acts as an acyl-lysine (Kac) mimetic inhibitor, binding the Kac site of BRD2 and BRD4. PFI-1 exhibits anti-inflammatory and anticancer activities. In H202-treated bronchial epithelial cells, PFI-1 decreases expression of IL-6 and CXCL8. In leukemia cells, PFI-1 downregulates expression of Myc and AurKB, inducing G1 phase cell cycle arrest and suppressing cell growth.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
P2133	1 mg	\$52.90
P2133	5 mg	\$93.80
P2133	10 mg	\$159.90
P2133	25 mg	\$303.20

**References** Khan YM, Kirkham P, Barnes PJ, et al. Brd4 Is Essential for IL-1 $\beta$ -Induced Inflammation in Human Airway Epithelial Cells. *PLoS One*. 2014 Apr 23;9(4):e95051. PMID: 24759736.

Picaud S, Da Costa D, Thanasopoulou A, et al. PFI-1, a highly selective protein interaction inhibitor, targeting BET Bromodomains. *Cancer Res*. 2013 Jun 1;73(11):3336-46. PMID: 23576556.

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