

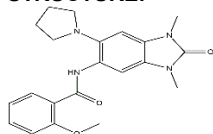
# PFI-4

**ALTERNATE NAME:** N-[2,3-Dihydro-1,3-dimethyl-2-oxo-6-(1-pyrrolidinyl)-1H-benzimidazol-5-yl]-2-methoxybenzamide

**CATALOG #:** B2330-5  
B2330-25

**AMOUNT:** 5 mg  
25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 380.44

**CAS NUMBER:** 900305-37-5

**APPEARANCE:** Pale green solid

**PURITY:** ≥ by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**SOLUBILITY:** >15 mg/ml (DMSO)

**REFERENCES:** Demont, E.H., et al. (2014). ACS Med. Chem. Lett. 5, 1190-1195.

**DESCRIPTION:** PFI-4 is a potent and selective BRPF1 bromodomain inhibitor (IC<sub>50</sub> = 80 nM). Displays >100-fold selectivity for BRPF1 over a panel of other bromodomains including BRPF2 (BRD1), BRPF3 and BRD4. BRPF1 is important for maintaining Hox gene expression and the development of multiple tissues, axial skeleton, and the hematopoietic system.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

CPI-0610 (B1201)  
(-)-JQ1 (2384)  
AZD-5153 (B2020)  
I-BET151 (2220)  
Bromosporine (2652)  
ARV-825 (B2019)  
Bromodoamin Inhibitor, (+)-JQ1 (2070)  
BMS-986158 (B2021)  
I-CBP112 (9405)  
BI-7273 (B1879)  
PFI-1 (2203)  
I-BET762 (2628)  
I-BET726 (B1569)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*