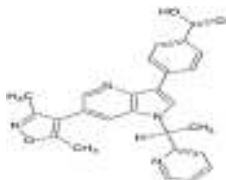


# PLX-51107

**ALTERNATE NAME:** (S)-4-(6-(3,5-dimethylisoxazol-4-yl)-1-(1-(pyridin-2-yl)ethyl)-1H-pyrrolo[3,2-b]pyridin-3-yl)benzoic acid  
PLX51107

**CATALOG #:** B2511-1 1 mg  
B2511-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 438.49

**CAS NUMBER:** 1627929-55-8

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >50 mg/ml DMSO

**DESCRIPTION:** PLX-51107 is a potent inhibitor of the bromodomain-containing protein 4 (BRD4), with potential antineoplastic activity. Upon administration, PLX51107 binds to the acetylated lysine recognition motifs in the bromodomains of the BRD4 protein, thereby preventing the binding of BRD4 to acetylated lysines on histones. This disrupts chromatin remodeling and gene expression.

**STORAGE TEMPERATURE:** -20°C. Protect from light

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

**RELATED PRODUCTS:**

ARV-825 (B2019)  
BMS-986158 (B2021)  
I-BET762 (2628)  
Bromosporine (2652)  
I-BET726 (B1569)  
AZD-5153 (B2020)  
Bromodomain Inhibitor, (+)-JQ1 (2070)  
I-BET151 (2220)

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