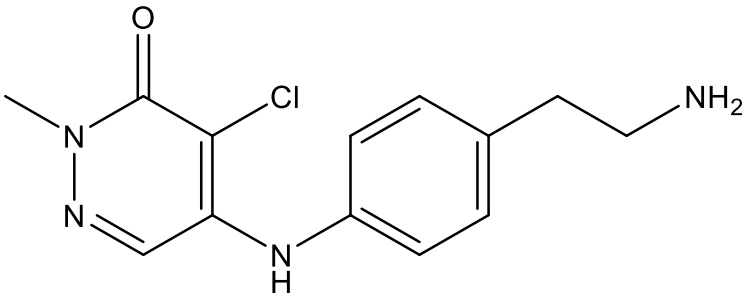
Catalog # 10-4037

BZ1

CAS# 2766623-38-3

5-((4-(2-Aminoethyl)phenyl)amino)-4-chloro-2-methylpyridazin-3(2H)-one

Lot # FBA8048



BZ1 is a potent (Kd = 6.3 nM; IC_{50} = 67 nM BPTF Alphascreen) inhibitor of the bromodomain PHD finger transcription factor (BPTF). It displays >350-fold selectivity over BET bromodomains. BZ1 sensitized 4T1 mouse breast cancer cells to doxorubicin treatment. BPTF inhibition represents a potential strategy for the inhibition of nucleosome remodeling factor (NURF) and exploration of its function.

1) Zahid *et al.* (2021), *New Design Rules for Developing Potent Cell-Active Inhibitors of the Nucleosome Remodeling Factor (NURF) via BPTF Bromodomain Inhibition;* J. Med. Chem. **64** 13902

PHYSICAL DATA

Molecular Weight:	278.74
Molecular Formula:	$C_{13}H_{15}ClN_4O$
Purity:	98% by HPLC NMR: (Conforms)
Solubility:	DMSO (>50 mg/mL); ethanol (>50 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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