BPTF-IN-BZ1

Cat. No.: HY-132889

CAS No.: 2766623-38-3

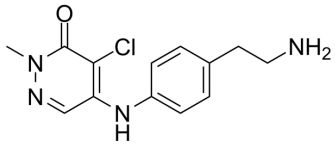
Molecular Formula: $C_{13}H_{15}ClN_4O$

Molecular Weight: 278.74

Target: Epigenetic Reader Domain

Pathway: Epigenetics

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (896.89 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.5876 mL	17.9379 mL	35.8757 mL
	5 mM	0.7175 mL	3.5876 mL	7.1751 mL
	10 mM	0.3588 mL	1.7938 mL	3.5876 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (7.46 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (7.46 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (7.46 mM); Clear solution

BIOLOGICAL ACTIVITY

Description BPTF-IN-BZ1, a BPTF inhibitor, possesses a high potency (K_d = 6.3 nM).

REFERENCES

[1]. Zahid H, et al. New Design Rules for Developing Potent Cell-Active Inhibitors of the Nucleosome Remodeling Factor (NURF) via BPTF Bromodomain Inhibition. J Med Chem. 2021 Sep 23;64(18):13902-13917.

Caution: Product has not been fully validated for medical applications. For research use only.

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