

Catalog # 10-4038 iBAP-II

CAS# 1013813-81-4 4-(8-Nitro-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinoline-4-yl)phenol Lot # FBA8086



iBAP-II is an inhibitor of the H2AK119 deubiquitinase BAP1 ($IC_{50} = 0.092 \mu g/mI$). It is selective for BAP1 over UCHL5, USP5,7,8, TNFAIP3-catalytic domain, USP2-catalytic domain, Otubain-1, and Ataxin3. iBAP-II disrupted the BAP1/ASXL3/BRD4 axis *via* induction of protein degradation of the ASXL3 scaffold protein in the small cell lung cancer lines NCI-H1963, NCI-H748, and NCI-H1882. It also suppressed expression of the master transcription factor ASCL1 in NCI-H1963 small cell lung cancer cells. iBAP-II significantly delayed disease progression in a small cell lung cancer xenograft mouse model.

1) Tsuboyama et al. (2022), Therapeutic targeting of BAP1/ASXL3 sub-complex in ASCL1-dependent small cell lung cancer; Oncogene **41** 2152

PHYSICAL DATA

Molecular Weight:	308.33	
Molecular Formula:	C ₁₈ H ₁₆ N ₂ O3	
Purity:	>98% by HPLC	
	NMR: (Conforms)	
Solubility:	DMSO (25 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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