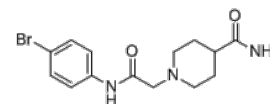


Product Name : BCI-121
Cat. No. : PC-70108
CAS No. : 432529-82-3
Molecular Formula : C₁₄H₁₈BrN₃O₂
Molecular Weight : 340.22
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

BCI-121 (BCI121) is a substrate-competitive **SMYD3** inhibitor that significantly inhibits SMYD3-substrate interaction and chromatin recruitment and is effective in reducing proliferation in various cancer cells types.

BCI-121 impairs SMYD3-mediated H4 in vitro methylation, reduced proliferation of HT29 and HCT116 cells.

BCI-121 reproduces the effects of SMYD3-targeted RNAi.

References

Peserico A, et al. *J Cell Physiol.* 2015 Oct;230(10):2447-2460.

Huang L, et al. *Am J Transl Res.* 2017 Jan 15;9(1):1-14.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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