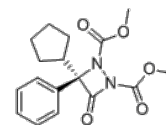


Product Name : ABL127
Cat. No. : PC-63266
CAS No. : 1073529-41-5
Molecular Formula : C₁₇H₂₀N₂O₅
Molecular Weight : 332.356
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ABL127 (ML174) is a potent, selective, covalent inhibitor of protein methyltransferase 1 (**PME-1**) with IC₅₀ of 10 nM. ABL127 (ML174) shows IC₅₀s of 6.4 nM and 4.2 nM in HEK293T and MDA-MB-231 cells, respectively, decreases cell proliferation and invasive growth in vitro.

ABL127 (ML174) shows selectivity at 1 μM against 30 serine hydrolase anti-targets.

ABL127 (ML174) is highly active against PME-1 and can cause 85% reduction of demethylated PP2A, demonstrates greater potential for use in long time-course in situ studies.

References

Pusey M, et al. *Tumour Biol.* 2016 Sep;37(9):11835-11842.

Bachovchin DA, et al. *Proc Natl Acad Sci U S A.* 2011 Apr 26;108(17):6811-6.

Bachovchin DA, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

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

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