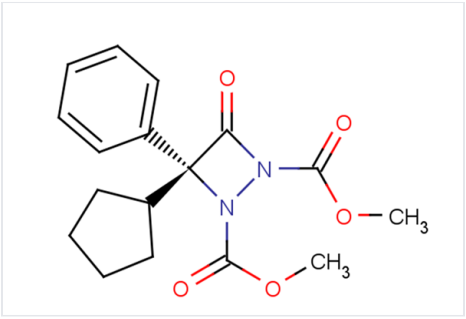
ABL127 Inhibitor

PRODUCT OVERVIEW

Product Name	ABL127, Inhibitor
Full Product Name	ABL127
Product Gene Name	ABL127, inhibitor
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	332.35
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Formula	C17H20N2O5
SMILES	O=C(N1N(C(OC)=O)[C@@](C2=CC=CC=C2)(C3CCCC3)C1=O)OC
CAS Number	1073529-41-5
Target & IC50	PME-1 in HEK293T: ic50 6.4nM, pME-1 in MDA-MB-231: ic50 4.2nM
In Vitro	No significant decrease in tumor burden can be assessed in these pilot studies[1]. Gel-based profiles indicate that brain PME-1 is inactivated by ABL127, but overlapping serine hydrolase activities preclude a confident assessment of the extent of inactivation[2].
Related Product Information for ABL127, inhibitor	ABL127 is a selective and covalent inhibitor of protein methylesterase 1 (PME-1). In HEK293T and MDA-MB-231 cells, the IC50s values are 6.4nM and 4.2nM, respectively.
Product References and Citations for ABL127, inhibitor	Pusey M, et al. Inhibition of protein methylesterase 1 decreased cancerous phenotypes in endometrial adenocarcinoma cell lines and xenograft tumor models. Tumour Biol. 2016 Sep;37(9):11835-11842. Pusey M, et al. Inhibition of protein methylesterase 1 decreased cancerous phenotypes in endometrial adenocarcinoma cell lines and xenograft tumor models. Tumour Biol. 2016 Sep;37(9):11835-11842. Bachovchin DA, et al. Academic cross-fertilization by public screening yields a remarkable class of protein phosphatase methylesterase-1 inhibitors. Proc Natl Acad Sci U S A. 2011 Apr 26;108(17):6811-6. Bachovchin DA, et al. Academic cross-fertilization by public screening yields a remarkable class of protein phosphatase methylesterase-1 inhibitors. Proc Natl Acad Sci U S A. 2011 Apr 26;108(17):6811-6.
Other Notes	Small volumes of ABL127, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABL127 purchase	MBS5754463 is an inhibitor targeting ABL127.



Structure of ABL127, inhibitor

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/abl127/5754463