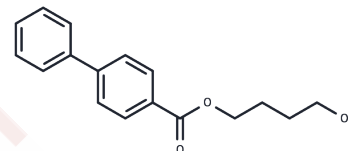


ABD56

## Chemical Properties

CAS No. : 521294-19-9  
 Formula: C17H18O3  
 Molecular Weight: 270.32  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ABD56 inhibits osteoclast formation and activity in vitro and in vivo.
Targets(IC50)	Apoptosis,ERK,Others,NF-κB

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6993 mL	18.4966 mL	36.9932 mL
5 mM	0.7399 mL	3.6993 mL	7.3986 mL
10 mM	0.3699 mL	1.8497 mL	3.6993 mL
50 mM	0.074 mL	0.3699 mL	0.7399 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Idris AI, Mrak E, Greig I, Guidobono F, Ralston SH, van 't Hof R. ABD56 causes osteoclast apoptosis by inhibiting the NFκappaB and ERK pathways. *Biochem Biophys Res Commun*. 2008 Jun 20;371(1):94-8. doi: 10.1016/j.bbrc.2008.04.014. Epub 2008 Apr 14. Erratum in: *Biochem Biophys Res Commun*. 2010 Apr 30;395(2):289. Idris, Aymen [corrected to Idris, Aymen I]. PubMed PMID: 18413146.

Idris AI, Greig IR, Bassonga-Landao E, Ralston SH, van 't Hof RJ. Identification of novel biphenyl carboxylic acid derivatives as novel antiresorptive agents that do not impair parathyroid hormone-induced bone formation. *Endocrinology*. 2009 Jan;150(1):5-13. doi: 10.1210/en.2008-0998. Epub 2008 Sep 4. PubMed PMID: 18772231.

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