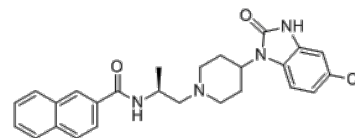


**Product Name** : VU0155069  
**Cat. No.** : PC-63190  
**CAS No.** : 1130067-06-9  
**Molecular Formula** : C<sub>26</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 462.978  
**Target** : Phospholipase  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0155069 is a potent, selective phospholipase D1 (**PLD1**) inhibitor with IC<sub>50</sub> of 46 nM, 20-fold selectivity over PLD2 (IC<sub>50</sub>=933 nM).

VU0155069 sensitizes MCF7 and MDA-MB-231 breast cancer cells to doxorubicin-induced cytotoxicity.

VU0155069 suppresses growth of colorectal cancer activated by the Wnt/ $\beta$ -catenin and PI3K signaling pathways.

## References

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Song HI, et al. *Sci Rep*. 2016 Nov 22;6:36968.

Kang DW, et al. *Clin Cancer Res*. 2017 Dec 1;23(23):7340-7350.

Cheng M, et al. *Neoplasia*. 2017 Aug;19(8):617-627.

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

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