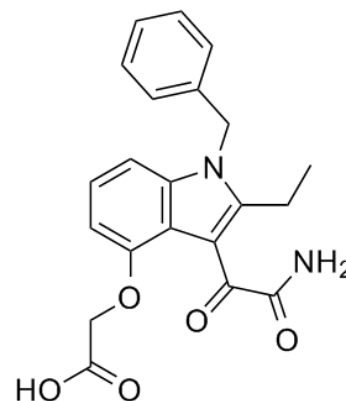


**Product Name** : Varespladib  
**Cat. No.** : PC-43510  
**CAS No.** : 172732-68-2  
**Molecular Formula** : C<sub>21</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>  
**Molecular Weight** : 380.39  
**Target** : Phospholipase  
**Solubility** : DMSO: ≥ 32 mg/mL



## Biological Activity

Varespladib (LY315920, A-002) is a potent, selective inhibitor of recombinant human, group IIA, nonpancreatic secretory PLA2 (**sPLA2**) with IC<sub>50</sub> of 9 nM, 40-fold less active against group IB, pancreatic sPLA2 and inactive against cytosolic PLA2. Varespladib (LY315920, A-002) inhibits human sPLA2-induced release of thromboxane A<sub>2</sub> (TXA<sub>2</sub>) from isolated guinea pig lung bronchoalveolar lavage cells with IC<sub>50</sub> of 0.79 μM.

Varespladib (LY315920, A-002) suppresses sPLA2 produced contractile responses in guinea pig lung pleural strips with KB of 83 nM.

Varespladib (LY315920, A-002) reduces atherosclerosis and aneurysm formation in ApoE<sup>-/-</sup> mice.

## References

Snyder DW, et al. *J Pharmacol Exp Ther.* 1999 Mar;288(3):1117-24.

Draheim SE, et al. *J Med Chem.* 1996 Dec 20;39(26):5159-75.

Fraser H, et al. *J Cardiovasc Pharmacol.* 2009 Jan;53(1):60-5.

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

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