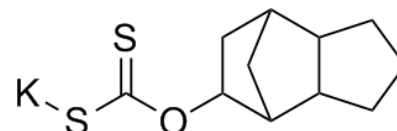


**Product Name** : D609  
**Cat. No.** : PC-45953  
**CAS No.** : 83373-60-8  
**Molecular Formula** : C<sub>11</sub>H<sub>15</sub>KOS<sub>2</sub>  
**Molecular Weight** : 266.4645  
**Target** : Phospholipase  
**Solubility** : 10 mM in DMSO



### Biological Activity

D609 is a competitive inhibitor of **PC-PLC** with  $K_i$  of 6.4  $\mu$ M.

D609 does not affect bacterial phosphatidylinositol-specific PLC, bovine pancreatic PLA<sub>2</sub>, or phospholipase D; has antioxidant, antiviral, and anti-tumor activities.

D609 also shows anti-inflammatory actions, blocking the induction of nitric oxide synthase by LPS in phagocytes (IC<sub>50</sub>=20  $\mu$ g/ml).

### References

Amtmann E. *Drugs Exp Clin Res.* 1996;22(6):287-94.

Adibhatla RM, et al. *Neurochem Res.* 2012 Apr;37(4):671-9.

Tschaikowsky K, et al. *Br J Pharmacol.* 1994 Nov;113(3):664-8.

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

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