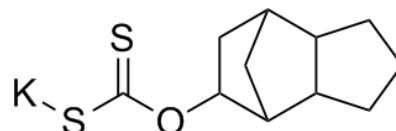


Product Name : D609
Cat. No. : PC-45953
CAS No. : 83373-60-8
Molecular Formula : C₁₁H₁₅KOS₂
Molecular Weight : 266.4645
Target : Phospholipase
Solubility : 10 mM in DMSO



Biological Activity

D609 is a competitive inhibitor of **PC-PLC** with K_i of 6.4 μM, also is a small molecule of **sphingomyelin synthase** (SMS1 and SMS2).

D609 does not affect bacterial phosphatidylinositol-specific PLC, bovine pancreatic PLA₂, 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 (IC₅₀=20 μg/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!

E-mail: tech@probechem.com