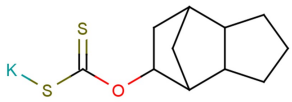
Data Sheet (Cat.No.T15044)

D609

Chemical Properties



CAS No.:	83373-60-8
Formula:	C11H15KOS2
Molecular Weight:	266.46
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	D609 is a competitive phosphatidyl choline-specific phospholipase C (PC-PLC) inhibitor (Ki: 6.4 μM).
Targets(IC_{50})	PC-PLC: (ki) 6.4 μM

Solubility Information

Solubility	DMSO: 100 mg/mL (375.29 mM) H2O: 2 mg/mL (7.51 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.753 mL	18.765 mL	37.529 mL
5 mM	0.751 mL	3.753 mL	7.506 mL
10 mM	0.375 mL	1.876 mL	3.753 mL
50 mM	0.075 mL	0.375 mL	0.751 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Kalluri HS, et al. D609 inhibits the proliferation of neural progenitor cells.Neuroreport. 2010 Jul 14;21(10):700-3.
2. Milhas D, et al. The Tricyclodecan-9-yl-xanthogenate D609 Triggers Ceramide Increase and Enhances FasL-Induced Caspase-Dependent and -Independent Cell Death in T Lymphocytes.Int J Mol Sci. 2012;13(7):8834-52. Epub 2012 Jul 16.
3. Gusain A, et al. Anti-proliferative effects of tricyclodecan-9-yl-xanthogenate (D609) involve ceramide and cell cycle inhibition.Mol Neurobiol. 2012 Jun;45(3):455-64. Epub 2012 Mar 14.

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