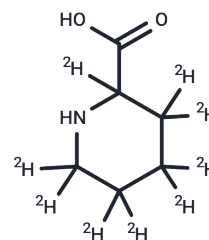


Pipecolic acid-D9

Chemical Properties

CAS No. : 790612-94-1
 Formula: C₆H₁₁NO₂
 Molecular Weight: 138.21
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Pipecolic acid-D9 is the deuterated form of Pipecolic acid. As a metabolite of lysine and an immune modulator, Pipecolic acid (T4819) can induce systemic acquired resistance (SAR) in plants. It also inhibits ferroptosis in diabetic retinopathy via the YAP-GPX4 signaling pathway. Moreover, Pipecolic acid (T4819) can induce apoptosis in neural cells and serves as a diagnostic marker for pyridoxine-dependent epilepsy.
Targets(IC50)	Apoptosis, Ferroptosis, Reactive Oxygen Species, Glutathione Peroxidase, Endogenous Metabolite, YAP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2354 mL	36.1768 mL	72.3537 mL
5 mM	1.4471 mL	7.2354 mL	14.4707 mL
10 mM	0.7235 mL	3.6177 mL	7.2354 mL
50 mM	0.1447 mL	0.7235 mL	1.4471 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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