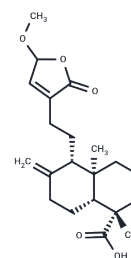


## 15-Methoxypinusolidic acid

## Chemical Properties

CAS No. :	769928-72-5
Formula:	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub>
Molecular Weight:	362.46
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	15-Methoxypinusolidic acid has anti-inflammatory effects, it inhibits LPS-induced iNOS expression and NO production, independent on MAPK and NF-kappaB. 15-Methoxypinusolidic acid suppresses adipocyte differentiation through the inhibition of PPARgamma-dependent adipogenic gene expression. 15-Methoxypinusolidic acid attenuates glutamate-induced excitotoxicity via stabilization of [Ca <sup>2+</sup> ] <sub>i</sub> homeostasis and suppression of oxidative stress possibly through the actions on the NMDA receptors. 15-Methoxypinusolidic acid induced apoptosis in murine microglial cells, presumably via inhibition of the cell cycle progression.
Targets(IC50)	ERK,Others,Calcium Channel,NOS,NF-κB,NMDAR,COX,iGluR,IL Receptor,JNK,p38 MAPK,PPAR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7589 mL	13.7946 mL	27.5893 mL
5 mM	0.5518 mL	2.7589 mL	5.5179 mL
10 mM	0.2759 mL	1.3795 mL	2.7589 mL
50 mM	0.0552 mL	0.2759 mL	0.5518 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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