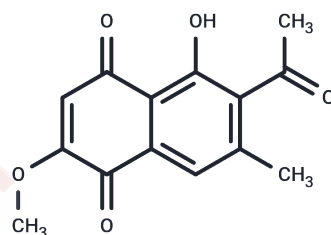


## 2-Methoxystyandrone

## Chemical Properties

CAS No. :	85122-21-0
Formula:	C <sub>14</sub> H <sub>12</sub> O <sub>5</sub>
Molecular Weight:	260.24
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	2-Methoxystyandrone displays an immunomodulatory effect in a cellular model, it blocks inflammatory responses by impairing NF- $\kappa$ B signaling to limit the inflammation and oxidative stress for preservation of BBB integrity. 2-Methoxystyandrone concomitantly promotes neurodevelopmental protein expression and endogenous neurogenesis through inactivation of GSK3 $\beta$ to enhance $\beta$ -catenin signaling for upexpression of neuroprotective genes and proteins. 2-Methoxystyandrone has anti-osteoclastogenic effect, could reflect the block of RANKL-induced association of TRAF6-TAK1 complexes with consequent decrease of $\kappa$ B-mediated NF- $\kappa$ B and mitogen-activated protein kinases-mediated c-Fos activation pathways and suppression of NFATc1 and other gene expression, essential for bone resorption.
Targets(IC50)	MMP,Bcl-2 Family,NOS,NF- $\kappa$ B,STAT,COX,GSK-3, $\kappa$ B/IKK,JAK,TNF,Wnt/beta-catenin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8426 mL	19.213 mL	38.4261 mL
5 mM	0.7685 mL	3.8426 mL	7.6852 mL
10 mM	0.3843 mL	1.9213 mL	3.8426 mL
50 mM	0.0769 mL	0.3843 mL	0.7685 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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