

Data Sheet (Cat.No.TN2775)

2-Methoxystyandrone

Chemical Properties

CAS No.:	85122-21-0
Formula:	C ₁₄ H ₁₂ O ₅
Molecular Weight:	260.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	2-Methoxystyandrone displays an immunomodulatory effect in a cellular model, it blocks inflammatory responses by impairing NF- κ 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 β to enhance β -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 I κ B-mediated NF-kappaB and mitogen-activated protein kinases-mediated c-Fos activation pathways and suppression of NFATc1 and other gene expression, essential for bone resorption.
Targets(IC ₅₀)	Bcl-2: None COX: None GSK-3: None I κ B: None IKK: None JAK: None MMP: None NF- κ B: None NOS: None p65: None STAT: None TNF- α : None Wnt/ β -catenin: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.843 mL	19.216 mL	38.432 mL
5 mM	0.769 mL	3.843 mL	7.686 mL
10 mM	0.384 mL	1.922 mL	3.843 mL
50 mM	0.077 mL	0.384 mL	0.769 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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