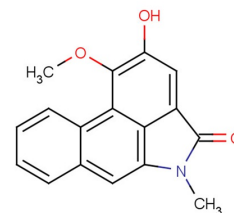


Sauristolactam

Chemical Properties

CAS No.:	128533-02-8
Formula:	C ₁₇ H ₁₃ NO ₃
Molecular Weight:	279.29
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Sauristolactam inhibits the receptor activator of nuclear factor- κ B ligand (RANKL)-induced osteoclastogenesis and has the potential to inhibit osteoclast differentiation. Sauristolactam, a natural aristolactam isolated from aerial portions of <i>Saururus Chinensis</i> . Sauristolactam has significant neuroprotective activity against glutamate-induced toxicity in primary cultured rat cortical cells.
Targets(IC ₅₀)	Others: 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	3.581 mL	17.903 mL	35.805 mL
5 mM	0.716 mL	3.581 mL	7.161 mL
10 mM	0.358 mL	1.79 mL	3.581 mL
50 mM	0.072 mL	0.358 mL	0.716 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.

Reference

1. Kim SR, et al. Aristolactam BII of *Saururus chinensis* attenuates glutamate-induced neurotoxicity in rat cortical cultures probably by inhibiting nitric oxide production. *Planta Med.* 2004 May;70(5):391-6.
2. Li Z, et al. Sauristolactam Inhibits Proliferation, Migration, and Invasion of Human Osteosarcoma Cells. *Cell Biochem Biophys.* 2015 Jul;72(3):719-26.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481