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## Product Data Sheet

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Product Name: Sauristolactam (Saurolactam)

Cat. No.: GC31191

### Chemical Properties

Cas. No. 128533-02-8

SMILES O=C1N(C2=C3C1=CC(O)=C(C3=C4C(C=CC=C4)=C2)OC)C

Formula  $C_{17}H_{13}NO_3$  M.Wt 279.29

Solubility Soluble in DMSO Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Sauristolactam, a natural aristolactam isolated from aerial portions of *Saururus chinensis*, has significant neuroprotective activity against glutamate-induced toxicity in primary cultured rat cortical cells[1]. Sauristolactam also inhibits the receptor activator of nuclear factor- $\kappa$ B ligand (RANKL)-induced osteoclastogenesis and has the potential to inhibit osteoclast differentiation[2].

[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. Saurolactam Inhibits Proliferation, Migration, and Invasion of Human Osteosarcoma Cells. *Cell Biochem Biophys.* 2015 Jul;72(3):719-26.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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