**Cat No. 56-L54**

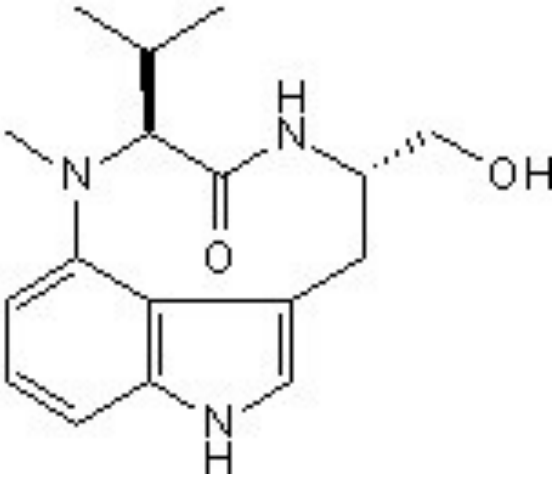
# Indolactam V

**1mg**

**For research purposes only**

Indolactam V is an activator of protein kinase C (PKC) that works by inhibiting PKC isozymes (alpha, beta-I, beta-II, gamma, delta, epsilon, eta, theta). This inducing differentiation in embryonic stem cells into pancreatic progenitors. It also exhibits tumor promoting activity.

## TECHNICAL INFORMATION




**Other Names:** (2S, 5S)-1,2,4,5,6,8-Hexahydro-5-(hydroxymethyl)-1-methyl-2-(1-methylethyl)-3H-pyrrolo[4,3,2-gh]-1,4-benzodiazonin-3-one

**Chemical Formula:** $C_{17}H_{23}N_3O_2$

**CAS Number:** 90365-57-4

**PubChem Substance ID:** 10500

**Molecular Weight:** 301.4

**Purity:** >99%

**Appearance:** Off White Crystalline Powder

**Solubility:** DMSO

**$IC_{50}$ :** 250nM

## STORAGE AND HANDLING

**Storage:** Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

**Stability:** Stock solutions stable at -20°C for up to 2 years.

**Shipping Conditions:** Shipped at room temperature.

## PRODUCT USE

Soluble in 10mM of DMSO.

## REFERENCES


1. Thatava, T., et al (2011). Indolactam V/GLP-1 mediated differentiation of human iPS cells into glucose-responsive insulin-secreting progeny. Gene Ther. 18:283-93.
2. Xu, Z., et al (2011). Total synthesis of (-)-indolactam V. Org Biomol Chem. 7:2512-7.
3. Bronner, S.M., et al (2011). Overturning indolyne regioselectivities and synthesis of indolactam V. J Am Chem Soc. 133:3832-5.