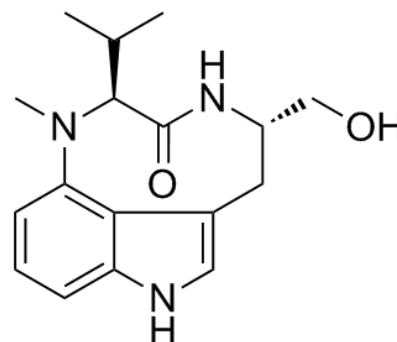


**Product Name** : Indolactam V  
**Cat. No.** : PC-42969  
**CAS No.** : 90365-57-4  
**Molecular Formula** : C<sub>17</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 301.3834  
**Target** : PKC  
**Solubility** : 10 mM in DMSO



### Biological Activity

Indolactam V ((-)-Indolactam V) is an indole alkaloid tumor promoter that activates protein kinase C (PKC), binds to PKC regulatory domains of mouse skin PKC $\eta$  and rat brain PKC $\gamma$  with K<sub>i</sub> values of 3.4 nM and 1  $\mu$ M, respectively; induces differentiation of human embryonic stem cells into pancreatic progenitors through activation of PKC signaling.

### References

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Heikkilä J, et al. Biochem Biophys Res Commun. 1989 Aug 15;162(3):1207-13.  
Chen S, et al. Nat Chem Biol. 2009 Apr;5(4):258-65.  
Kazanietz MG, et al. Mol Pharmacol. 1993 Aug;44(2):298-307.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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