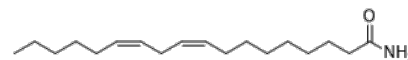


**Product Name** : Linoleamide  
**Cat. No.** : PC-27044  
**CAS No.** : 3999-01-7  
**Molecular Formula** : C<sub>18</sub>H<sub>33</sub>NO  
**Molecular Weight** : 279.47  
**Target** : Calcium Channel  
**Solubility** : 10 mM in DMSO



### Biological Activity

Linoleamide is an endogenous lipid which is structurally related to sphingosine and sphiganine and closely related with sarco/endoplasmic reticulum Ca<sup>2+</sup>-ATPase (SERCA) activity, increases cytosolic Ca<sup>2+</sup> levels in MDCK with EC<sub>50</sub> of 20 μM. Linoleamide has been shown to induce sleep in cats, rats and humans. Linoleamide inhibits Ca<sup>2+</sup>-ATPase activity of each SERCA with IC<sub>50</sub> of 15-53 μM.

### References

J K Huang, et al. Life Sci. 2001 Jan 19;68(9):997-1004.

Sachiko Yamamoto, et al. Biochim Biophys Acta Gen Subj. 2017 Jan;1861(1 Pt A):3399-3405.

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

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