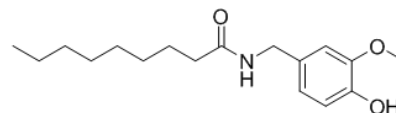


Product Name : Nonivamide
Cat. No. : PC-45355
CAS No. : 2444-46-4
Molecular Formula : C₁₇H₂₇NO₃
Molecular Weight : 293.4012
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

Nonivamide is a capsaicin analog that acts as an agonist of **TRPV1** channel.

Nonivamide causes calcium release from the ER and alters the transcription of GADD153, GADD45alpha, GRP78/BiP, ATF3, CCND1, and CCNG2 in human bronchial epithelial and alveolar cells.

Nonivamide stimulates the Ca(2+)-dependent release of serotonin and dopamine in SH-SY5Y cells at 1 uM.

Nonivamide also enhances miRNA let-7d expression and decreases adipogenesis PPARγ expression in 3T3-L1 cells.

References

Rohm B, et al. Mol Nutr Food Res. 2013 Nov;57(11):2008-18.

Thomas KC, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):830-8.

Rohm B, et al. J Cell Biochem. 2015 Jun;116(6):1153-63.

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

E-mail: tech@probechem.com