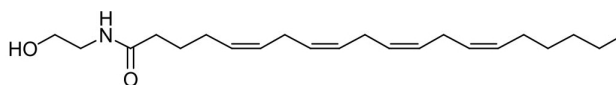


Code No.: BIA-A2375

## Anandamide

Pack sizes.: 0.1mg, 0.5mg



### Synonyms:

Arachidonoyl ethanolamide, Arachidonylethanolamide, N-(2-Hydroxyethyl)arachidonamide, N-(2-Hydroxyethyl)arachidonylamide

## Specifications

CAS #	: <b>94421-68-8</b>
Molecular Formula	: <b>C22H37NO2</b>
Molecular Weight	: <b>347.53</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

## Application Notes

Anandamide is an endogenous ligand for the cannabinoid receptor. Anandamide activates receptor-mediated signal transduction and stimulates arachidonic acid and intracellular calcium release in both CHOM5 and CHO-HCR cells. More recent research has focussed on the effect of anandamide on nociception and pain and as critical modulators of human reproductive processes.

## References

1. Isolation and structure of a brain constituent that binds to the cannabinoid receptor. Devane W.A. et al. J. Neurochem. 1993, 61, 352.
2. Anandamide, an endogenous cannabimimetic eicosanoid, binds to the cloned human cannabinoid receptor and stimulates receptor-mediated signal transduction. Felder C.C. et al. Proc. Nat. Acad. Sci. 1993, 90, 7656.
3. Endocannabinoids as biomarkers of human reproduction. Rapino C. et al. Human Reprod Update 2014, 20, 501.