



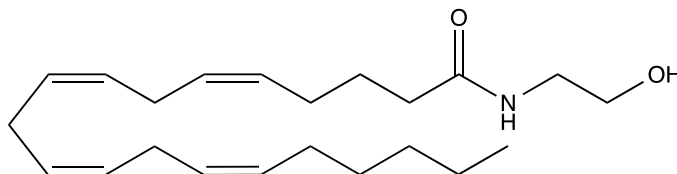
**Catalog # 10-2009**

**Anandamide**

94421-68-8

N-(2-Hydroxyethyl)-5Z,8Z,11Z,14Z-eicosatetraenamide; Arachidonylethanolamide; AEA

Lot # FBA5181



Endogenous cannabinoid receptor agonist.<sup>1-3</sup>  $K_i=89$  nM for CB1 and 371 nM for CB2 receptors.

- 1) Devane *et al.* (1992), *Isolation and structure of a brain constituent that binds to the cannabinoid receptor*; Science, **258** 1946
- 2) Devane *et al.* (1994), *New dawn of cannabinoid pharmacology*; Trends Pharmacol.Sci., **15** 40
- 3) Hillard *et al.* (1997), *Biochemistry and pharmacology of arachidonylethanolamide, a putative endogenous cannabinoid*; J. Lipid Res., **38** 2383

**PHYSICAL DATA**

|                        |   |
|------------------------|---|
| Molecular Weight:      | 347.54  |
| Molecular Formula:     | C <sub>22</sub> H <sub>37</sub> NO <sub>2</sub>   |
| Purity:                | >98% by TLC   |
|                        | NMR: (Conforms)   |
| Solubility:            | DMSO (up to 30 mg/mL) and ethanol (up to 50 mg/mL)  |
| Physical Description:  | Colorless Oil   |
| Storage and Stability: | Store as supplied desiccated at -80°C for up to 1 year from the date of purchase. Solutions may be stored in degassed solvent at -20°C for up to 1 month. |

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

[www.focusbiomolecules.com](http://www.focusbiomolecules.com)