

Product Data Sheet

Product Name: Anandamide- 15 N

Cat. No.: GC80865

Chemical Properties

Cas. No.

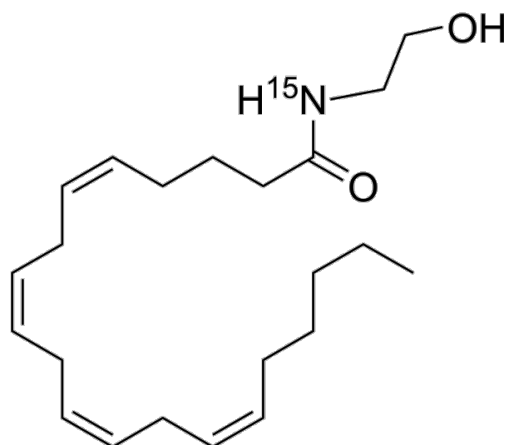
Formula $C_{22}H_{37}N_2O_2$ M.Wt 348.53

Solubility DMSO: ≥ 50 mg/mL (143.46 mM) Storage Store at -20°C , protect from light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Anandamide - 15 N (AEA- 15 N) is the 15 N-labeled Anandamide. Anandamide is an endocannabinoid. Anandamide modulates both neuronal and immune functions through two protein-coupled cannabinoid receptors (CB1 and CB2). Anandamide can activate numerous other receptors like PPARS, TRPV1, and GPR18/GPR55. Anandamide also has potential anti-fungal and anti-inflammatory activities. Anandamide can be used for the research of Alzheimer's disease (AD) and ulcerative colitis [1] [2] [3] [4] [5].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into

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drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

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