



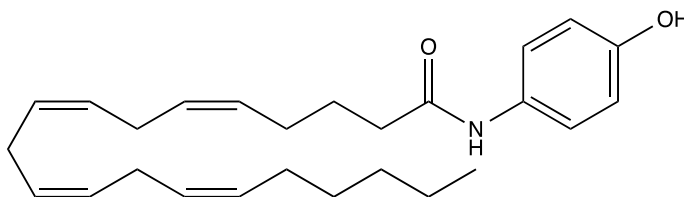
Catalog # 10-2008

AM-404

CAS# 183718-77-6

N-(4-Hydroxyphenyl)arachidonamide

Lot # FBA1159



Inhibits anandamide transport ($IC_{50} = 1 \mu M$) without inhibiting anandamide amidase or activating cannabinoid receptors.^{1,2} Vanilloid receptors are activated by AM-404.³ Active *in vivo*.¹

- 1) Calignano *et al.* (1997), *Potentiation of anandamide hypotension by the transport inhibitor AM404*; Eur. J. Pharmacol., **337** R1
- 2) Beltramo *et al.* (1997), *Functional role of high-affinity anandamide transport, as revealed by selective inhibition*; Science, **277** 1094
- 3) Zygmunt *et al.* (2000), *The anandamide inhibitor AM404 activates vanilloid receptors*; Eur. J. Pharmacol. **396** 39

PHYSICAL DATA

Molecular Weight: 395.58
Molecular Formula: $C_{26}H_{37}NO_2$
Purity: 98% by TLC (30% ethyl acetate/petroleum ether; $R_f = 0.25$)
NMR: (Conforms)
Solubility: DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description: Waxy solid
Storage and Stability: Store as supplied at $-20^{\circ}C$ or up to 1 years from the date of purchase. Solutions in DMSO or ethanol may be stored under nitrogen or argon at $-20^{\circ}C$ for up to 3 months. Compound is subject to oxidation. Protect from exposure to air.

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