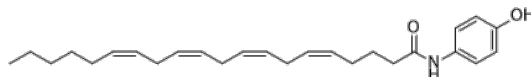


Product Name : AM404
Cat. No. : PC-27605
CAS No. : 183718-77-6
Molecular Formula : C₂₆H₃₇NO₂
Molecular Weight : 395.59
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

AM404 is a selective inhibitor of anandamide transport with IC₅₀ of 2.2 μ M, does not activate cannabinoid receptors or inhibit anandamide hydrolysis.

AM404 prevents [³H]anandamide uptake in vitro and enhances various effects of anandamide administration both in vitro and in vivo.

AM404 (10 mg/kg, i.v.) significantly potentiated and prolonged vasodepressor responses to anandamide in anesthetized guinea pigs.

References

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Calignano A, et al. Eur J Pharmacol. 1997 Oct 15;337(1):R1-2.

Beltramo M, et al. Science. 1997 Aug 22;277(5329):1094-7.

Piomelli D, et al. Proc Natl Acad Sci U S A. 1999 May 11;96(10):5802-7.

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

E-mail: tech@probechem.com