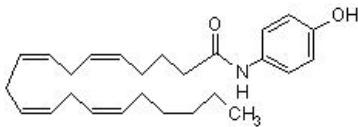


AM404, Anandamide transport inhibitor ab120095

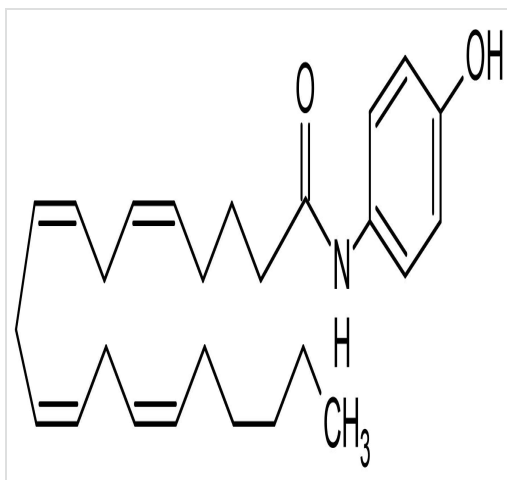
1 References [画像数 2](#)

製品の概要

製品名	AM404, Anandamide transport inhibitor
製品の詳細	Anandamide transport inhibitor
生理活性の詳細	Competitive and selective anandamide transport inhibitor ($IC_{50} = 1 \mu M$). Active <i>in vivo</i> . Does not activate CB_1 receptors or inhibit anandamide hydrolysis but has been shown to activate vanilloid receptors.
CAS 番号	198022-70-7
構造式	

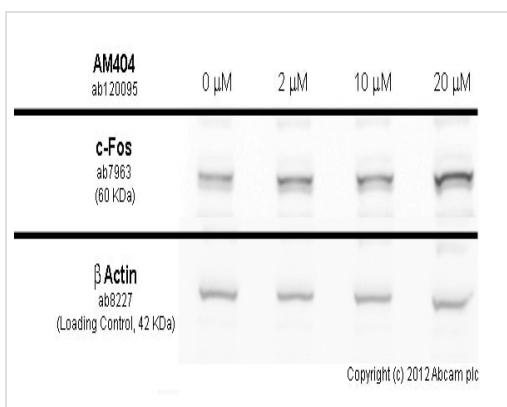
製品の特性

体系名	(5Z,8Z,11Z,14Z)-N-(4-Hydroxyphenyl)icosa-5,8,11,14-tetraenamide
分子量	395.58
分子式	$C_{26}H_{37}NO_2$
PubChem 登録番号	6604822
保存方法	Store at $-20^{\circ}C$. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 50 mM and in ethanol to 50 mM
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at $-20^{\circ}C$. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES 線形表記	<chem>Oc1ccc(NC(=O)CCCC/C=CC/C=CC/C=CC/C=CCCCC)cc1</chem>
由来	Synthetic



Chemical Structure - AM404, Anandamide transport inhibitor (ab120095)

2D chemical structure image of ab120095, AM404, Anandamide transport inhibitor



Functional Studies - AM404, Anandamide transport inhibitor (ab120095)

SH-SY5Y cells were incubated at 37°C for 30 minutes with vehicle control (0 μM) and varied concentrations of AM404 (ab120095).

Increased expression of c-Fos in SH-SY5Y cells correlates with an increase in AM404 concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 20 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab7963** at 1 μg/ml and **ab8227** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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