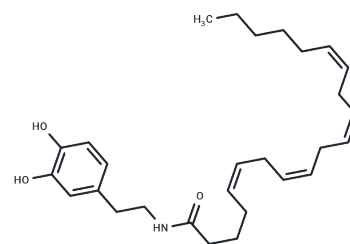


N-Arachidonyldopamine

Chemical Properties

CAS No. :	199875-69-9
Formula:	C ₂₈ H ₄₁ NO ₃
Molecular Weight:	439.63
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-Arachidonyldopamine (NADA) is a selective and potent endogenous CB1 receptor agonist (K _i : 250 nM). N-Arachidonyldopamine is also a potent and selective TRPV1 agonist with an EC ₅₀ value of ~50 nM.
Targets(IC ₅₀)	Cannabinoid Receptor

Solubility Information

Solubility	Ethanol: 4.5 mg/mL (10.3 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2746 mL	11.3732 mL	22.7464 mL
5 mM	0.4549 mL	2.2746 mL	4.5493 mL
10 mM	0.2275 mL	1.1373 mL	2.2746 mL
50 mM	0.0455 mL	0.2275 mL	0.4549 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Bisogno T, et al. N-acyl-dopamines: novel synthetic CB(1) cannabinoid-receptor ligands and inhibitors of anandamide inactivation with cannabimimetic activity in vitro and in vivo. *Biochem J.* 2000 Nov 1;351 Pt 3(Pt 3):

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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