SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

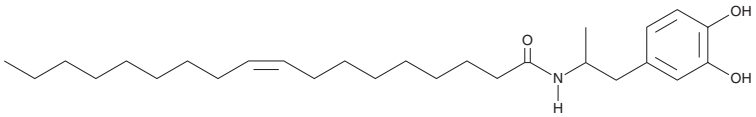
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide

Item No. 9002954

CAS Registry No.: 1258011-97-0
Formal Name: N-[2-(3,4-dihydroxyphenyl)-1-methylethyl]-9Z-octadecenamide
MF: $C_{27}H_{45}NO_3$
FW: 431.7
Purity: ≥97%
Supplied as: A solution in ethanol
Storage: -20°C
Stability: ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of N-(1-(3,4-dihydroxyphenyl)propan-2-yl)oleamide in these solvents is approximately 25 and 30 mg/ml, respectively.

N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the ethanolic solution of N-(1-(3,4-dihydroxyphenyl)propan-2-yl)oleamide should be diluted with the aqueous buffer of choice. N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide has a solubility of approximately 0.25 mg/ml in a 1:3 solution of ethanol:PBS (pH 7.2) using this method.

Description

N-(1-(3,4-Dihydroxyphenyl)propan-2-yl)oleamide binds to the cannabinoid 1 (CB_1) receptor with a K_i value of 365 nM in a radioligand binding assay using rat brain homogenate.[1] It has an EC_{50} value of 698 nM for the peroxisome proliferator-activated receptor α (PPARα) in a luciferase reporter assay and, in rats, it decreases food intake. It does not inhibit fatty acid amide hydrolase (FAAH).

Reference

1. Almeida, B., Joglar, J., Rojas, M.J.L., *et al.* Synthesis of fatty acid amides of catechol metabolites that exhibit antiobesity properties. *ChemMedChem* **5(10)**, 1781-1787 (2010).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM