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DATASHEET

(E)-Capsaicin

Product overview

Name(E)-CapsaicinCat NoHB1179Biological actionAgonistPurity>95%

Customer comments Fast service with an important tool that works perfect. Capsaicin is an agonist of TRPV1 receptors.

Capsaicin offered by Hello Bio has an amazing price not offered by other suppliers. I definitely

recommend it. Verified customer, University of Vigo

Description TRPV1 channel agonist

Biological Data

Biological description TRPV1 channel agonist (pEC₅₀ values are 7.10 and 7.97 for human and rat TRPV1 respectively).

Carbonic anhydrase inhibitor (K_i values are 696.15 and 208.37 μ M for hCAI an hCAII respectively). Also CYP3A subfamily and P-gp inhibitor. Induces cell cycle arrest, apoptosis and inhibits proliferation

Displays apoptosis inducing,

Solubility & Handling

Solubility overview
Storage instructions

Soluble in DMSO (50mM) and in ethanol (50mM)

Room temperature

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name (E)-N-[(4-Hydroxy-3-methoxyphenyl)methyl]-8-methyl-6-nonenamide

Molecular Weight 305.42

Chemical structure

Molecular Formula C₁₈H₂₇NO₃ CAS Number 404-86-4 PubChem identifier 1548943

SMILES CC(C)/C=C/CCCCC(=O)NCC1=CC(=C(C=C1)O)OC

InChi InChi=1S/C18H27NO3/c1-14(2)8-6-4-5-7-9-18(21)19-13-15-10-11-16(20)17(12-15)22-3/h6,8,10-12,

14,20H,4-5,7,9,13H2,1-3H3,(H,19,21)/b8-6+

InChiKey YKPUWZUDDOIDPM-SOFGYWHQSA-N

MDL number MFCD00017259

References

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