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DATASHEET

(E)-Capsaicin

Product overview

Name	(E)-Capsaicin
Cat No	HB1179
Biological action	Agonist
Purity	>95%
Customer comments	<i>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</i>

Description	TRPV1 channel agonist
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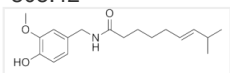
Biological Data

Biological description	TRPV1 channel agonist (pEC ₅₀ 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 μM for hCAI and hCAII respectively). Also CYP3A subfamily and P-gp inhibitor. Induces cell cycle arrest, apoptosis and inhibits proliferation. Displays apoptosis inducing,
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (50mM) and in ethanol (50mM)
Important	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	C ₁₈ H ₂₇ NO ₃
CAS Number	404-86-4
PubChem identifier	1548943
SMILES	CC(C)/C=C/CCCC(=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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