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Company Registration No. 642982



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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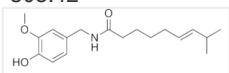
Biological Data

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

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