

Product Datasheet

Capsaicin (natural) (orb1309898)

Catalog Number	orb1309898
Category	Small Molecules
Description	Capsaicin, the pungent component of chili peppers, is a potent TRPV1 channel agonist (EC50 = 0.29 μ M). This research tool is widely used to study pain, inflammation, and itch in vivo, and to investigate its antitumor, antioxidant, and neurobiological effects in cellular models.
Target	Ion channel
Form/Appearance	powder
Purity	>60%
MW	305.4
Biological Activity	TRPV1 agonist
Target Areas	Apoptosis Autophagy TRP/TRPV Channel
Solubility (25°C)	Soluble in DMSO (up to 20 mg/ml); or ethanol (15 mg/ml)
CAS Number	404-86-4
Formula	C ₁₈ H ₂₇ NO ₃
SMILES	C(NC(CCCC/C=C/C(C)C)=O)C1=CC(OC)=C(O)C=C1
Chemical Name	8-Methyl-N-vanillyl-6-nonenamide
Storage	RT
Note	For research use only

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Expiration Date

12 months from date of receipt.

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