

Product Datasheet

Dihydrocapsaicin (orb1306267)

Catalog Number	orb1306267
Category	Small Molecules
Description	Dihydrocapsaicin is a capsaicin analog and VR1 (TRPV1) receptor agonist isolated from Capsicum species. It exhibits equivalent pungency and receptor potency to capsaicin and is used in neuroscience research to study nociception and pain pathways in vitro and in vivo.
Target	PI3K,ROS,Akt,Reactive Oxygen Species,Bcl-2 Family,Apoptosis,Caspase,TRP/TRPV Channel
Purity	≥95% (May vary between batches)
MW	307.43
Target Areas	Apoptosis Reactive Oxygen Species Akt PI3K Bcl-2 Family ROS Caspase TRP/TRPV Channel
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (6.51 mM);DMSO:247.5 mg/mL (805.06 mM)
CAS Number	19408-84-5
Formula	C ₁₈ H ₂₉ NO ₃
SMILES	C(NC(CCCCCC(C)C)=O)C1=CC(OC)=C(O)C=C1
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)