abcam

Product datasheet

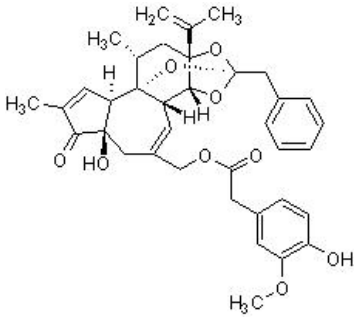
Resiniferatoxin ab120339

1 References

Overview

Product name	Resiniferatoxin
Description	Ultrapotent TRPV1 agonist
Biological description	Highly potent capsaicin analogue that acts as an agonist at TRPV1 channels (vanilloid receptor) (K_i = 43 pM).
Purity	> 98%

Properties

Chemical name	[(2*S*,3a*R*,3b*S*,6a*R*,9a*R*,9b*R*,10*R*,11a*R*)- 3a,3b,6,6a,9a,10,11,11a-Octahydro-6a-hydroxy-8,10-dimethyl-11a-(1-methylethenyl)-7-oxo-2-(phenylmethyl)-7*H*-2,9b-epoxyazuleno[5,4-*e*]-1,3-benzodioxol-5-yl]-4-hydroxy-3-methoxymethylbenzeneacetate
Molecular weight	628.72
Chemical structure	
Molecular formula	$C_{37}H_{40}O_9$
CAS Number	57444-62-9
PubChem identifier	5702546
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

SMILES	Oc1ccc(cc1OC)CC(=O)OCC3=C[C@H]5[C@H]6O[C@@]2(O[C@]6(C[C@@H](C)[C@]5(O2)[C@@H]4C=C(C)C(=O)[C@@]4(O)C3)C(=C)C)Cc7ccccc7
Source	*Euphorbia resinifera*

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