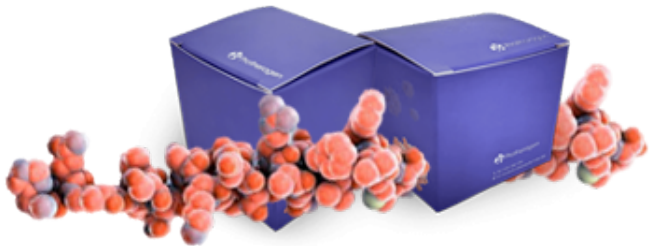
Protheragen Obesity



Cinnamaldehyde

Cat. No.:	OB0225WX-2560
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, and HPLC.
Size:	25 mg; 100 mg; 500 mg; 1 g; 2 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Cinnamaldehyde is a natural flavonoid derivative synthesized *via* the shik imate pathway that acts as a potent agonist of the TRPA1 channel.
Synonym	14371-10-9; Trans-Cinnamaldehyde; Cinnamic aldehyde; (*E*)-Cinnamaldehyde; 3-Phenylacrylaldehyde; Cinnamal; Zimtaldehyde; 2-Propenal, 3-phenyl-; (2*E*)-3-phenylprop-2-enal; 3-Phenylpropenal; Phenylacrolein; Cinnamylaldehyde; (*E*)-3-phenylprop-2-enal; trans-Cinnamic aldehyde; 2-propenal, 3-phenyl-, (2 *E*)-; Cassia aldehyde; (*E*)-3-Phenylpropenal; 3-Phenylacrolein; Cinnema ldehyde; (*E*)-3-Phenyl-2-propenal; Cinnamyl aldehyde; 3-phenylprop-2-enal; Abion CA; Cinnamaldehyde, (*E*)-; Benzylideneacetaldehyde; beta-Phenylcrol ein; 3-Phenyl-2-propenal; trans-Cinnamylaldehyde; 3-Fenylpropenal; 3-Phenyl-2-pr openaldehyde; Acrolein, 3-phenyl-; 3-Phenyl-2-propen-1-al; trans-3-Phenyl-2-prop enal; MFCD00007000; Propenaldehyde, 3-phenyl-; 2-Propenaldehyde, 3-phenyl-; Kane elaldehyde; e-cinnamaldehyde; 2-propenal,3-phenyl-,(*E*)-; Trans-3-Phenylpr openal; (e)-3-Phenylacrolein; Benzylidene acetaldehyde
CAS No.	14371-10-9
Compound CID	637511
Formula	C_9H_8
Formula Weight	132.16

Specification

IUPAC Name	(*E*)-3-Phenylprop-2-enal

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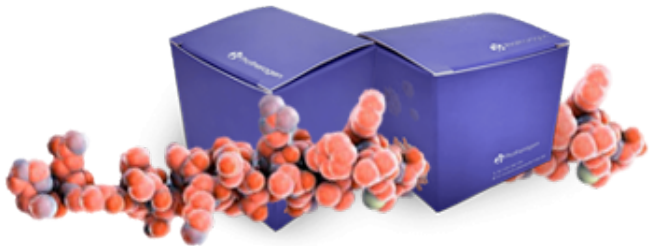

InChI	InChI=1S/C9H8O/c10-8-4-7-9-5-2-1-3-6-9/h1-8H/b7-4+
InChI Key	KJPRLNWUNMBNBZ-QPJJXVBHSA-N
SMILES string	C1=CC=C(C=C1)/C=C/C=O
Stability	2 years in liquid form.
Storage	Storage at -80°C.
Applications	Cinnamaldehyde is applied in phytochemical and microbiological research as a maj or constituent of cinnamon oil to investigate its antimicrobial properties and i ts ability to activate the TRPA1 receptor.

Library Information

Target	TRP channel
Receptor	TRPA1
Pathways	Transmembrane transporters
Plate Number	L6700-05
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
ALogP	1.949
HBA_Count	1
HBD_Count	0
Rotatable Bond	2

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