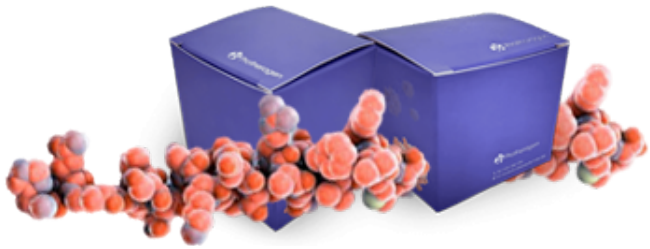
Protheragen
Obesity



3′,4′,7-Trihydroxyflavone

Cat. No.:	OB0225WX-2039
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 200 mg

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

Product Overview

Description	7,3',4'-Trihydroxyflavone is a flavonoid molecule that suppresses osteoclastogen esis by inhibiting the receptor activator of nuclear factor kappa B ligand (RANK L)-induced differentiation.
Synonym	2150-11-0; 2-(3,4-dihydroxyphenyl)-7-hydroxy-4H-chromen-4-one; 3',4',7-Trihydrox yflavone; 2-(3,4-dihydroxyphenyl)-7-hydroxychromen-4-one; 4H-1-Benzopyran-4-one, 2-(3,4-dihydroxyphenyl)-7-hydroxy-; 2-(3,4-Dihydroxyphenyl)-7-hydroxy-4H-1-benz opyran-4-one; Flavone, 7,3',4'-trihydroxy-; T 414; 104666-14-0; 3 inverted excla mation marka,4 inverted exclamation marka,7-Trihydroxyflavone; Flavone, 3',4',7- trihydroxy-(6CI,7CI,8CI); 2-(3,4-Dihydroxyphenyl)-7-hydroxy-4H-1-benzopyran-4-o ne; 3',4',7-Trihydroxyflavone; 3',4',7-Trihydroxylflavone; 5-Deoxyluteolin; 7,3' ,4'-Trihydroxyflavone; BRN 0253031; 4hlf; 2-(3,4-Dihydroxy-phenyl)-7-hydroxy-chr omen-4-one; MFCD00017434
CAS No.	2150-11-0
Compound CID	5322065
Formula	$C_{15}H_{10}O_5$
Formula Weight	270.24

Specification

Relative Density	1.548 g/cm^3
IUPAC Name	2-(3,4-Dihydroxyphenyl)-7-hydroxychromen-4-one

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
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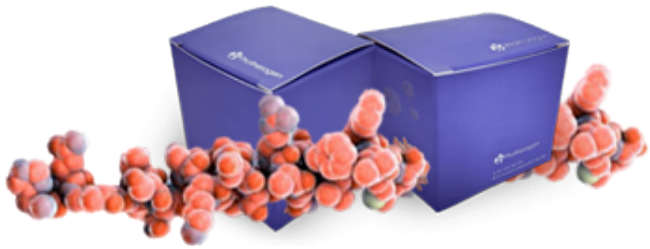

InChI	InChI=1S/C15H10O5/c16-9-2-3-10-12(18)7-14(20-15(10)6-9)8-1-4-11(17)13(19)5-8/h1-7,16-17,19H
InChI Key	PVFGJHYLIHMCQD-UHFFFAOYSA-N
SMILES string	C1=CC(=C(C=C1C2=CC(=O)C3=C(O2)C=C(C=C3)O)O)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	3',4',7-Trihydroxyflavone is employed in biochemical studies to investigate its radical scavenging capacity and its ability to inhibit the activation of specifi c pro-inflammatory transcription factors.

Library Information

Target	p38 MAPK; NF-κB; ATPase
Receptor	ATPase; NF-κB; Nuclear factor of activated Tcells (NFAT); p38 MAPK
Pathways	NF-κB; MAPK; Membrane transporter/Ion channel
Plate Number	AOCL-27
Plate Location	b2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	55 mg/mL; 203.52 mM

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