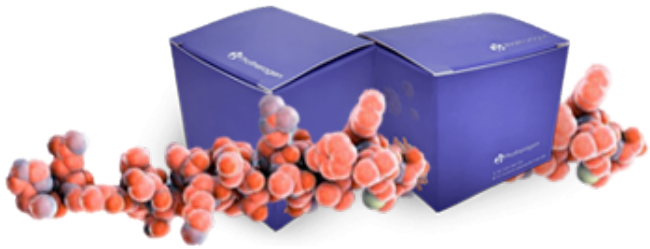
Protheragen
Obesity



2,5-Dihydroxyacetophenone

Cat. No.:	OB0225WX-1905
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	50 mg; 100 mg; 250 mg; 500 mg

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

Product Overview

Description	2,5-Dihydroxyacetophenone is an uncompetitive inhibitor of murine tyrosinase (KI : 0.28 mM) that triggers sustained activation of the p38, ERK1/2, and JNK MAPK p athways and suppresses pro-inflammatory responses in macrophages.
Synonym	Quinacetophenone; 2-Acetylhydroquinone; Acetylhydroquinone; DHAP; 490-78-8; 1-(2 ,5-Dihydroxyphenyl)ethanone; 2,5-Dihydroxyacetophenone; 2-Acetylhydroquinone; Qu inacetophenone; Acetylhydroquinone; Ethanone, 1-(2,5-dihydroxyphenyl)-; Acetylqu inol; 1-(2,5-dihydroxyphenyl)ethan-1-one; MFCD00002343; Acetophenone, 2',5'-dihy droxy-; 1-Acetyl-2,5-dihydroxybenzene; 2,5-Dihydroxy-1-acetylbenzene; 2', 5'-Dih ydroxyacetophenone; 2-Acetyl-1,4-dihydroxybenzene; 2,5-Dihydroxyphenyl methyl ke tone; 2-acetyl hydroquinone; 2-acetyl-hydroquinone; monoacetyl hydroquinone; 2,5 -dihydroxyacetophenone; 2,5-Dihydroxy acetophenone; Acetophenone,5'-dihydroxy-; 2`,5`-Dihydroxyacetophenone; Ethanone,5-dihydroxyphenyl)-
CAS No.	490-78-8
Compound CID	10279
Formula	$C_8H_8O_3$
Formula Weight	152.15

Specification

Relative Density	1.2143 g/cm^3
IUPAC Name	1-(2,5-Dihydroxyphenyl)ethanone

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

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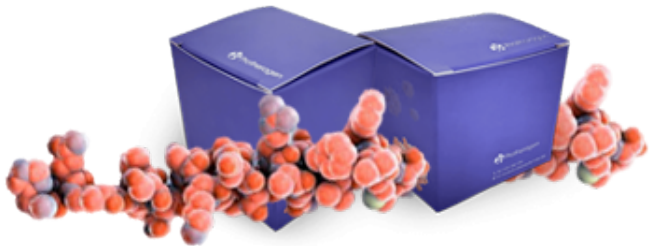

InChI	InChI=1S/C8H8O3/c1-5(9)7-4-6(10)2-3-8(7)11/h2-4,10-11H,1H3
InChI Key	WLDWSGZHNBANIO-UHFFFAOYSA-N
SMILES string	CC(=O)C1=C(C=CC(=C1)O)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	2,5-Dihydroxyacetophenone is utilized in biochemical assays and mass spectrometr y research as a specialized matrix and chemical intermediate to study the struct ural properties of organic molecules.

Library Information

Target	NF-κB; Tyrosinase; ERK
Receptor	NF-κB; Tyrosinase; ERK
Pathways	Proteases/Proteasome; NF-κB; MAPK
Plate Number	AOCL-25
Plate Location	d7
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	45 mg/mL; 295.76 mM
Solubility	Soluble in chloroform, dichloromethane, ethyl acetate, acetone, *etc*.

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