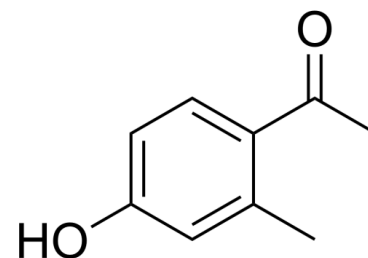


Data Sheet

Product Name:	4'-Hydroxy-2'-methylacetophenone
Cat. No.:	CS-W010970
CAS No.:	875-59-2
Molecular Formula:	C ₉ H ₁₀ O ₂
Molecular Weight:	150.18
Target:	Parasite
Pathway:	Anti-infection
Solubility:	DMSO : 5 mg/mL (33.29 mM); ultrasonic and warming and heat to 60°C)



BIOLOGICAL ACTIVITY:

4'-Hydroxy-2'-methylacetophenone, an aroma compound of red wines, is isolated from cv. Bobal grape variety. 4'-Hydroxy-2'-methylacetophenone has ciliate toxicity. 4'-Hydroxy-2'-methylacetophenone inhibits the growth of *T. pyriformis*, with an IC₅₀ of 0.65 mM^{[1][2]}.

References:

[1]. GómezGarcía-Carpintero E, et, al. Aroma characterization of red wines from cv. Bobal grape variety grown in La Mancha region. Food Research International. 2011 Jan; 44(1): 61-70.

[2]. Schüürmann G, et, al. Stepwise discrimination between four modes of toxic action of phenols in the Tetrahymena pyriformis assay. Chem Res Toxicol. 2003 Aug;16(8):974-87.

CAIndexNames:

Ethanone, 1-(4-hydroxy-2-methylphenyl)-

SMILES:

CC(C1=CC=C(O)C=C1C)=O

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA