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**Product Data Sheet**

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Product Name: 4'-Hydroxy-2'-methylacetophenone

Cat. No.: GC61679

**Chemical Properties**

Cas. No. 875-59-2

SMILES CC(C1=CC=C(O)C=C1C)=OFormula C<sub>9</sub>H<sub>10</sub>O<sub>2</sub>

M.Wt 150.18

Solubility DMSO : 5 mg/mL (33.29 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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 IC<sub>50</sub> of 0.65 mM [1][2].

[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.

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

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