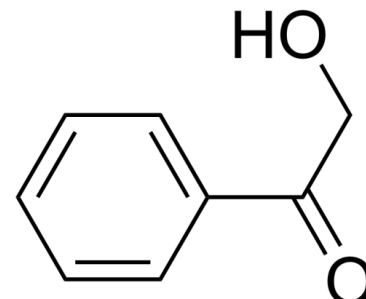


## Data Sheet

<b>Product Name:</b>	2-Hydroxyacetophenone
<b>Cat. No.:</b>	CS-W002198
<b>CAS No.:</b>	582-24-1
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	136.15
<b>Target:</b>	HIV; SARS-CoV
<b>Pathway:</b>	Anti-infection
<b>Solubility:</b>	DMSO : 25 mg/mL (183.62 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

2-Hydroxyacetophenone is a principal root volatile of the *Carissa edulis*<sup>[1]</sup>. 2-Hydroxyacetophenone shows inhibitory effects on infection of **HIV/SARS-CoV S pseudovirus** with an **IC<sub>50</sub>** of 1.8 mM<sup>[2]</sup>.

### References:

[1]. M D Bentley, et al. 2-Hydroxyacetophenone: principal root volatile of the East African medicinal plant, *Carissa edulis*. *J Nat Prod.* Nov-Dec 1984;47(6):1056-7.

[2]. Min Zhuang, et al. Procyanidins and butanol extract of *Cinnamomi Cortex* inhibit SARS-CoV infection. *Antiviral Res.* 2009 Apr;82(1):73-81.

### CAIndexNames:

Ethanone, 2-hydroxy-1-phenyl-

### SMILES:

O=C(C1=CC=CC=C1)CO

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

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