

## 4'-Hydroxyacetophenone Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** 4'-Hydroxyacetophenone

**Catalog No.:** CFN97575

**Cas No.:** 99-93-4

**Purity:** > 98%

**M.F:** C<sub>8</sub>H<sub>8</sub>O<sub>2</sub>

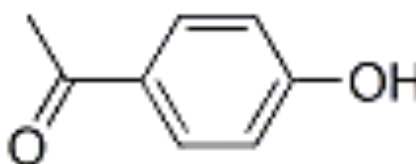
**M.W:** 136.15

**Physical Description:** Powder

**Synonyms:** 1-(4-hydroxyphenyl)-ethanon;Acetophenone, p-hydroxy-;

Ethanone, 1-(4-hydroxyphenyl)-;Hydroxyacetophenone, para;

Methyl p-hydroxyphenyl ketone.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Agricultural research;
6. Others.

### [ Source ]

The herbs of *Rhodiola crenulata*.

## **[ Biological Activity or Inhibitors ]**

Three 4'-hydroxyacetophenone-related phytoalexins from *Polymnia sonchifolia*, 4'-hydroxy-3'-(3-methylbutanoyl)acetophenone, 4'-hydroxy-3'-(3-methyl-2-butenyl)acetophenone and 5-acetyl-2-(1-hydroxy-1-methylethyl)benzofuran, have antifungal activity.<sup>[1]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol-0.1% Acetic acid H<sub>2</sub>O=35:65 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 275 nm.

## **[ Storage ]**

2-8°C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Mitsuo Takasugi, Takahiro Masuda. *Phytochemistry*, 1996, 43(5):1019-21.

[2] Wang Y S, Zhao X C, Bai H, *et al.* *Nat.Prod.Res. Devel.*, 2010, 22(6):1073-6.

## **[ Contact ]**

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