

# Poricoic acid A(F) Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

## [ Product Information ]

**Name:** Poricoic acid A(F)

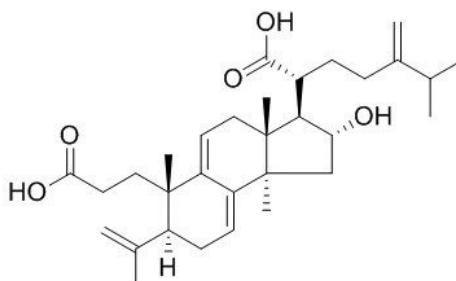
**Catalog No.:** CFN92838

**Cas No.:** 137551-38-3

**Purity:** >=98%

**M.F:** C<sub>31</sub>H<sub>46</sub>O<sub>5</sub>

**M.W:** 498.7



**Physical Description:** Powder

**Synonyms:** Poricoic acid A; Poricoic acid F; (2R,3R,3aR,6S,7S,9bR)-3-[(1R)-1-Carboxy-5-methyl-4-methylenehexyl]-2,3,3a,4,6,7,8,9b-octahydro-2-hydroxy-3a,6,9b-trimethyl-7-(1-methylethenyl)-1H-benz[e]indene-6-propanoic acid.

## [ Intended Use ]

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

## [ Source ]

The roots of *Wolfiporia cocos* (Schw.) Ryv.

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

Poricoic acid A exhibits moderate cytotoxicity against the cancer cell lines.<sup>[1]</sup>

Poricoic acid A has anti-inflammatory activity, it can inhibit NO production and iNOS expression in LPS-stimulated Raw264.7 cells, it also exerts the high anti-inhibitory activity and reduces PGE2 levels via downregulation of COX-2 protein expression.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: 0.1% Formic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 243 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Ukiya M, Akihisa T, Tokuda H, *et al. J. Nat. Prod.*, 2002, 65(4):462-5.

[2] Lee S R, Lee S, Moon E, *et al. Bioorg. Chem.*, 2016, S0045-2068(16)30355-8.

[3] Xia Y, Yang C H, Liu J H, *et al. Progress in Pharmaceutical Sciences*, 2009, 33(6): 271-3.

## **[ Contact ]**

### **Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

China

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)