

Horminone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Horminone

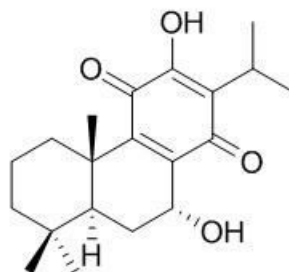
Catalog No.: CFN98086

Cas No.: 21887-01-4

Purity: > 95%

M.F: C₂₀H₂₈O₄

M.W: 332.4



Physical Description: Yellow powder

Synonyms: (7 α)-7,12-Dihydroxyabieta-8,12-diene-11,14-dione.

[Intended Use]

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

[Source]

The herbs of *Salvia japonica* Thunb.

[Biological Activity or Inhibitors]

Horminone and tingenone can inhibit the in vitro growth of *Trypanosoma cruzi*, 30 microM

drug concentration producing total inhibition of growth.^[1]

Horminone has antimicrobial activity, it can inhibit the protein synthesis in several types of bacteria.^[2]

Horminone can increase serum ALT and AST levels and cyt b5 content and induce the activities of ethylmorphine N-demethylase (EMD); on the other hand, horminone can decrease P450 content and inhibit the activities of 7-ethoxyresorufin O-deethylase (ERD), 7-ethoxycoumarin O-deethylase (ECD), aniline 4-hydroxylase (AH) and NADPH-cytochrome P450 reductase (NR); thus, the possibility of toxic effects occurring after administration of plant extracts containing horminone must be considered.^[3]

[Solvent]

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

[HPLC Method]^[4]

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

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Goijman S G, Turrens J F, Marini-Bettolo G B, *et al. Experientia*, 1985, 41(5):646-8.

[2] Nicolás I, Vilchis M, Aragón N, *et al. Int. J. Quantum Chem.*, 2003, 93(6):411-21.

[3] Ferreira R, Candeias F, Simões F, *et al. J. Ethnopharmacol.*, 1997 Sep; 58(1):21-30.

[4] Lin L, Zhao H, Dong Y, *et al. Food Chem.*, 2012, 130(2):417-24.

[Contact]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com