

Hardwickiic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Hardwickiic acid

Catalog No.: CFN99836

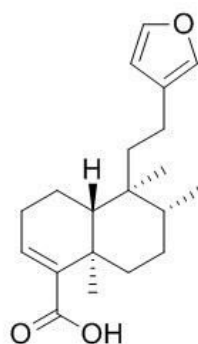
Cas No.: 1782-65-6

Purity: > 95%

M.F: C₂₀H₂₈O₃

M.W: 316.4

Physical Description: Powder



Synonyms: (4aR,5R,6R,8aR)-5-[2-(furan-3-yl)ethyl]-5,6,8a-trimethyl-3,4,4a,6,7,8-hexahydronaphthalene-1-carboxylic acid.

[Intended Use]

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

[Source]

The herbs of *Hardwickia pinnata*.

[Biological Activity or Inhibitors]

Hardwickiic acid , a clerodane diterpenoid from Copaiba oil has been reported to inhibit Hsp27.^[1]

Hardwickiic acid modulates hippocampal [(3)H]NA overflow evoked by a mild depolarizing stimulus by acting at presynaptic opioid receptor subtypes.^[2]

Hardwickiic acid shows antimicrobial activity, it can inhibit the growth of all the tested microbial species. ^[3]

(-)-Hardwickiic acid has insecticidal activity.^[4]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Lama R, Zhong B, Kulman D G, *et al. Phytochem. Lett.*, 2014,10:65-75.

[2] Pittaluga A, Olivero G, Di P S, *et al. Neurochem. Int.*,2013, 62(4):354-9.

[3] Kuete V, Wabo G F, Ngameni B, *et al. J. Ethnopharmacol.*, 2007, 114(114):54-60.

[4] Bandara B M, Wimalasiri W R, Bandara K A. *Planta Med.*, 1987, 53(6):575.

[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