

Voacangine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Voacangine

Catalog No.: CFN92252

Cas No.: 510-22-5

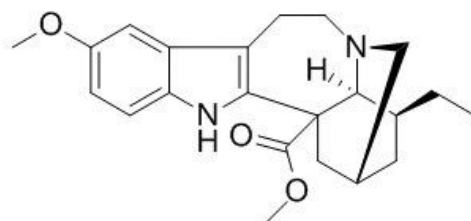
Purity: > 95%

M.F: C₂₂H₂₈N₂O₃

M.W: 368.5

Physical Description: Powder

Synonyms: Carbomethoxyibogaine; 12-Methoxy-ibogamine-18-carboxylic acid methyl ester; Methyl (2 α)-12-methoxyibogamine-18-carboxylate.



[Intended Use]

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

[Source]

The herbs of *Ervatamia heyneana*.

[Biological Activity or Inhibitors]

Voacangine is a novel anti-angiogenic agent, it can inhibit the proliferation of HUVECs at an IC₅₀ of 18 μ M with no cytotoxic effects, suppress in vitro angiogenesis, such as VEGF-induced tube formation and chemoinvasion.^[1]

Voacangine has cytotoxicity against the P-388 lymphocytic leukemia.^[2]

Voacangine is a novel transient receptor potential vanilloid type 1 (TRPV1) and TRPM8 antagonist. ^[3]

Voacangine and isovoacangine alkaloids can induce apoptosis cell death in human leukemic cells line THP-1.^[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] Kim Y, Jung H J, Kwon H J. *Biochem. Biophys. Res. Commun.*, 2011, 417(1):330-4.

[2] Kingston D G. *J.Pharm. Sci.*, 1978, 67(2):271-2.

[3] Terada Y, Horie S, Takayama H, et al. *J. Nat. Prod.*, 2014, 77(2):285-97.

[4] Figueiredo E R, Vieira I J C, Souza J J D, et al. *Rev. Bras. De Farmacogn.*, 2010, 20(1):75-81.

[**Contact**]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com