

Demethylmurrayanine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Demethylmurrayanine

Catalog No.: CFN97840

Cas No.: 123497-84-7

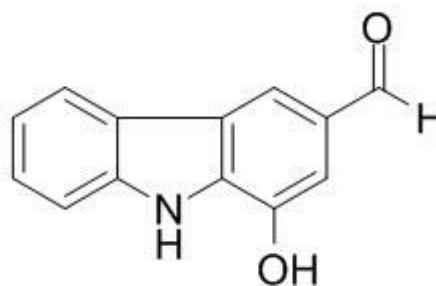
Purity: > 95%

M.F: C₁₃H₉NO₂

M.W: 211.22

Physical Description: Yellow powder

Synonyms: (2S)-4-[[Dimethyl(2-methyl-2-propanyl)silyl]oxy]-2-butanol.



[Intended Use]

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

[Source]

The herbs of *Clausena dunniana*.

[Biological Activity or Inhibitors]

O-Demethylmurrayanine and clausine D exhibit strong cytotoxicity against MCF-7 and

SMMC-7721 with IC₅₀ values in the range 2.63-7.59 ug/ml.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O=60:40;

Flow rate:3.0 ml/min;

Column temperature:Room Temperature;

The wave length of determination:210 nm.

[Storage]

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

[References]

[1] Jiang H Y, Zhang W J, You C X, *et al. Phytochem. Lett.*,2014, 9(3):92-95.

[2] Tahia F, Sikder M A A, Haque M R, *et al. Dhaka University Journal of Pharmaceutical Sciences*, 2015,14(1):29-33.

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