

Batatasin III Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Batatasin III

Catalog No.: CFN92689

Cas No.: 56684-87-8

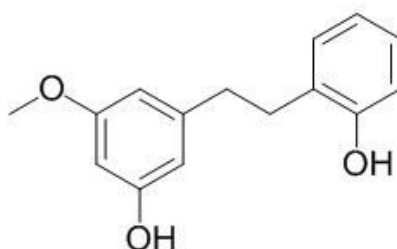
Purity: > 95%

M.F: C₁₅H₁₆O₃

M.W: 244.3

Physical Description: Powder

Synonyms: 3-Methoxy-5-[2-(3-methoxyphenyl)ethyl]phenol.



[Intended Use]

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

[Source]

The herbs of *Dendrobium venustum*.

[Biological Activity or Inhibitors]

Batatasin-III is critical in determining the phytotoxic effects of *E. hermaphroditum* and that

this compound may have additional benefits for *E. hermaphroditum* other than deterring herbivory.^[1]

Batatasin III causes 68% inhibition of α -amylase induction at 4×10^{-4} M.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=9:11 ;

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] Nilsson M C, Wallstedt A. *Oikos*, 1998, 81(1):6-16.

[2] Asahina H, Yoshikawa H, Shuto Y. *Agr. Biol. Chem.*, 1998, 62(8):1619-20.

[3] Yang J Z, Jiang J H, Wang W J, *et al. Trop. J. Pharm.Res.*, 2014; 13 (4): 533-5

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