

Fuziline Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Fuziline

Catalog No.: CFN90689

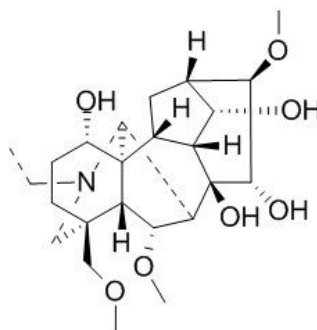
Cas No.: 80665-72-1

Purity: >=98%

M.F: C₂₄H₃₉NO₇

M.W: 453.58

Physical Description: Powder



Synonyms: (1 α ,6 α ,10 α ,13 ξ ,14 α ,15 α ,16 β ,17 ξ)-20-ethyl-6,16-dimethoxy-4-(methoxymethyl)aconitane-1,8,14,15-tetrol.

[Intended Use]

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

[Source]

The roots of *Aconitum carmichaeli* Debx.

[Biological Activity or Inhibitors]

Fuziline shows significant insecticidal activity against *Nilaparvata legum* and *Aphis medicagini*.^[1]

Fuziline shows activity against pentobarbital sodium-induced cardiomyocytes damage by obviously recovering beating rhythm and increasing the cell viability.^[2]

[Solvent]

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

[HPLC Method]^[3]

HPLC-ESI:

Mobile phase: 0.1% Formic acid in water- Methanol=40:60;

Flow rate: 0.25 ml/min;

Column temperature: 30°C;

Ion source temperature, 500°C;

Ion spray voltage: 5000 V.

[Storage]

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

[References]

[1] Chen Y L, Yuan X H, Hou D B. *Journal of Anhui Agricultural Sciences*, 2009, 37(10): 4536-7.

[2] Xiong L, Peng C, Xie X F, *et al. Molecules*, 2012, 17(8):9939-46.

[3] Zhang Y. *Acta Pharm. Sin. B*, 2016, 6(6):584-92.

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