[**Product Information**]

**Name:** Tenuifoliside A  
**Catalog No.:** CFN90770  
**Cas No.:** 139726-35-5  
**Purity:** > 95%  
**M.F:** C₃₁H₃₈O₁₇  
**M.W:** 682.6  
**Physical Description:** Powder  
**Synonyms:**

[**Intended Use**]

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

[**Source**]

The roots of *Polygala tenuifolia.*

[**Biological Activity or Inhibitors**]

Tenuifoliside A has neuroprotective effect, it induces neurite extension of PC12 cells and
suggests that activation of the MEK/ERK/CREB and PI3K/Akt signaling pathways is involved in this process.\[1\]

Tenuifoliside A protects C6 cells from CORT-induced damage, and the neuroprotective mechanism may be associated with the activation of Bcl-2 and suppressing Bax and the activity of Caspase-3 via ERK pathway.\[2\]

[Solvent]
Pyridine, Methanol, Ethanol, etc.

[HPLC Method]\[3\]
Mobile phase: 0.1% Formic acid in water- Acetonitrile, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wavelength of determination: 330 nm.

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

[References]

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