[ Product Information ]

Name: Senecionine
Catalog No.: CFN00417
Cas No.: 130-01-8
Purity: >=98%
M.F: C₁₈H₂₅NO₅
M.W: 335.40
Physical Description: Powder

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

[ Source ]
The herbs of Senecio scandens.

[ Biological Activity or Inhibitors ]
Senecionine has been shown to produce an increase in cytosolic free Ca$^{2+}$ concentration in isolated hepatocytes that correlated with an increase in cellular toxicity; the cytotoxicity is greater in the absence of extracellular Ca$^{2+}$ than in its presence, suggesting that alterations in intracellular Ca$^{2+}$ distribution, and not an influx of extracellular Ca$^{2+}$, are responsible for the senecionine-induced hepatotoxicity.[1]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][2]
Mobile phase: Acetonitrile- 0.2% Phosphoric acid-Triethylamine, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 220 nm.

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

[ References ]

[ Contact ]
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