

Corynoxine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Corynoxine

Catalog No.: CFN90218

Cas No.: 6877-32-3

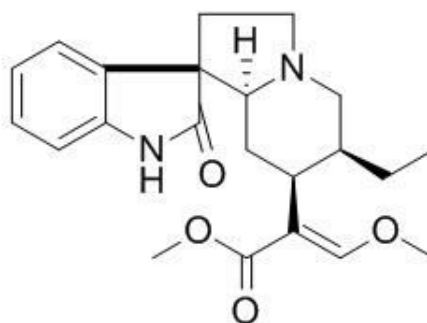
Purity: >=98%

M.F: C₂₂H₂₈N₂O₄

M.W: 384.47

Physical Description: Cryst

Synonyms: Methyl(16E)-16-(methoxymethylene)-2-oxocorynoxan-17-oate.



[Intended Use]

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

[Source]

The vine of *Uncaria rhynchophylla*.

[Biological Activity or Inhibitors]

Corynoxine is a natural autophagy enhancer, promotes the clearance of Alpha-synuclein

via Akt/mTOR pathway.^[1]

Corynoxine and rhynchophyline can significantly inhibit the oxidative stress of PC12 cells.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 10mM Ammonium acetate(pH=7.7)- Acetonitrile,gradient elution;

Flow rate:0.3 ml/min;

Column temperature: 30℃;

The wave length of determination:220 nm.

[Storage]

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

[References]

[1] Chen L L, Song J X, Lu J H, *et al. J. Neuroimmune Pharmacol.*,2014 Jun;9(3):380-7.

[2] Li J, Chen M Y, Zhang Y, *et al. Internal Medicine of China*,2013,8(6):586-7.

[3] Wang M, Carrell E J, Ali Z, *et al. J.Sep. Sci.*,2014, 37(12):1411-8.

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