



Methyltanshinonate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Methyltanshinonate

Catalog No.: CFN92148

Cas No.: 18867-19-9

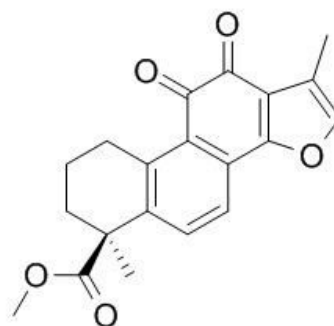
Purity: > 98%

M.F: C₂₀H₁₈O₅

M.W: 338.4

Physical Description: Cryst.

Synonyms:



[Intended Use]

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

[Source]

The roots of *Salvia miltiorrhiza*.

[Biological Activity or Inhibitors]

Methyltanshinonate has antiplasmodial and antitrypanosomal activities, ranges from 4.16508M to over 306508M against P. falciparum K1 strain with selectivity indices (SI) from 0.3 to 1.9. ^[1]

Methyltanshinonate shows inhibitory activity against P388 cell in vitro. ^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 0.05%Phosphoric acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 286 nm.

[Storage]

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

[References]

[1] S Ślusarczyk, S Zimmermann, M Kaiser, *et al. Planta Med.*, 2011, 77(14):1594-6.

[2] Li Z T, Yang B J, Ma G E. *Acta Pharm. Sin.*, 1991, 26(3):209-13.

[3] Zhang H X, Du S Y, Lu Y, *et al. Chinese Journal of Experimental Traditional*, 2010, 16 (15): 34-8.

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