

Quetiapine fumarate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Quetiapine fumarate

Catalog No.: CFN98513

Cas No.: 111974-72-2

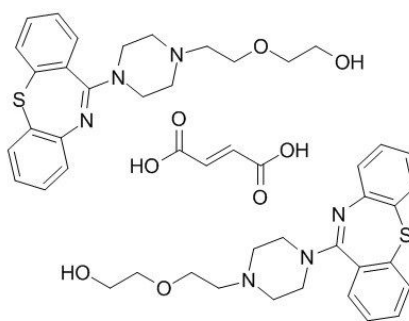
Purity: >=95%

M.F: (C₂H₂₁N₂O₃S).C₂H₄

M.W: 883.09

Physical Description: Powder

Synonyms: 2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol hemifumarate; Quetiapine XR.



[Intended Use]

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

[Source]

The herbs of *Ampelopsis japonica* (Thunb.) Makino.

[Biological Activity or Inhibitors]

Quetiapine fumarate monotherapy (150 mg/day and 300 mg/day) is effective, with safety and tolerability in the treatment of patients with major depressive disorder.^[1]

Quetiapine fumarate can treat patients with schizophrenia.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile -Modifier buffer(0.1% Ortho phosphoric acid with triethyl amine)=50:50 ;

Flow rate:0.6 ml/min;

Column temperature: 30℃;

The wave length of determination:294 nm.

[Storage]

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

[References]

[1] Cutler A J, Montgomery S A, Feifel D, *et al.* *J. Clin. Psychiatry*, 2009 Apr;70(4):526-39.

[2] Lindenmayer J P, Brown D, Liu S, *et al.* *Psychopharmacol. Bull.*,2008;41(3):11-35.

[3] Venkata K B, Battula S R, Dubey S. *Journal of Chemistry*,2013, 2013(2013).

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