[ Product Information ]

Name: Tanshinol B
Catalog No.: CFN90370
Cas No.: 189290-30-0
Purity: > 98%
M.F: C₁₈H₁₆O₄
M.W: 296.32
Physical Description: Red needles
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 ]
Tanshinol attenuates oxidative stress via down-regulation of FoxO3a signaling, and rescues the decrease of osteoblastic differentiation through upregulation of Wnt signal under oxidative stress, suggest that the beneficial effects of Tanshinol may be adopted as a novel therapeutic approach in recently recognized conditions of niche targeting osteoporosis.[1]

Tanshinol protects hippocampus and attenuates vascular dementia development, it may be a potential compound in vascular dementia (VD) model.[2]

Tanshinol protects against atherosclerosis by preventing H2O2-induced apoptosis of human umbilical vein endothelial cells (HUVECs), these effects appear to be mediated by enhancing the antioxidant defenses and preserving the mitochondrial function of the cells.[3]

Tanshinol can stimulate bone formation and attenuate dexamethasone-induced inhibition of osteogenesis in larval zebrafish.[4]

Tanshinol protects against hydrogen peroxide-induced oxidative stress via regulating Wnt/FoxO pathway in osteoblastic differentiation of C2C12 cells.[5]

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

[ HPLC Method ][6]
Mobile phase: Methanol- 1% Acetic acid H2O=8:92 ;
Flow rate: 1.0 ml/min;
Column temperature: 30 ˚C;
The wave length of determination: 280 nm.

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


[ Contact ]

Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com