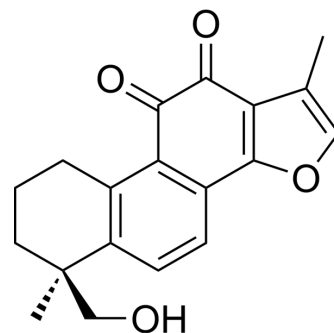


## Tanshinone IIB

Cat. No.:	HY-N1179
CAS No.:	17397-93-2
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> O <sub>4</sub>
Molecular Weight:	310.34
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

Methanol : 0.5 mg/mL (1.61 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2223 mL	16.1114 mL	32.2227 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Tanshinone IIB is a major active constituent of the roots of *Salvia miltiorrhiza* (Danshen) widely used for the research of stroke and coronary heart disease in Asian countries. Tanshinone IIB has a neuroprotective effect via inhibition of apoptosis [1].

### REFERENCES

[1]. Xue-Qing Yu, et al. Tanshinone IIB, a primary active constituent from *Salvia miltiorrhiza*, exerts neuroprotective effect via inhibition of neuronal apoptosis in vitro. *Phytother Res.* 2008 Jun;22(6):846-50.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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