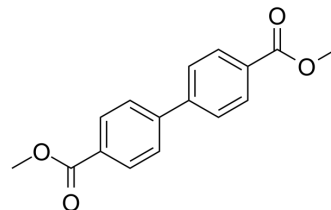


## Dimethyl biphenyl-4,4'-dicarboxylate

Cat. No.:	HY-128854
CAS No.:	792-74-5
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	270.28
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMF : 2 mg/mL (7.40 mM; Need ultrasonic)  
DMSO : 2 mg/mL (7.40 mM; ultrasonic and heat to 60°C)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			Concentration	1 mg	5 mg
1 mM			3.6999 mL	18.4993 mL	36.9987 mL
5 mM			0.7400 mL	3.6999 mL	7.3997 mL
10 mM			---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Dimethyl biphenyl-4,4'-dicarboxylate (Biphenyl dimethyl dicarboxylate) is a hepatoprotectant obtained from Schizandra fructus and may induce a signal transduction similar to that associated with IFN<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Phys Chem Chem Phys. 2019 Sep 18;21(36):20384-20392.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Joo SS, et al. Interferon signal transduction of biphenyl dimethyl dicarboxylate/amantadine and anti-HBV activity in HepG2 2.2.15. Arch Pharm Res. 2006 May;29(5):405-

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

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