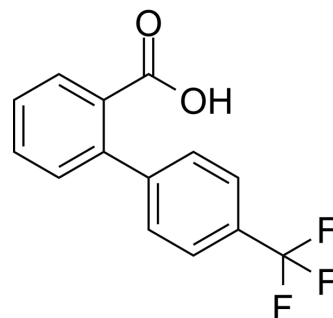


4'-Trifluoromethyl-2-biphenyl carboxylic acid

Cat. No.:	HY-34781		
CAS No.:	84392-17-6		
Molecular Formula:	C ₁₄ H ₉ F ₃ O ₂		
Molecular Weight:	266.22		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (939.07 mM)
 H₂O : < 0.1 mg/mL (insoluble)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		3.7563 mL	18.7815 mL	37.5629 mL
	5 mM		0.7513 mL	3.7563 mL	7.5126 mL
	10 mM		0.3756 mL	1.8781 mL	3.7563 mL

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

BIOLOGICAL ACTIVITY

Description

4'-Trifluoromethyl-2-biphenyl carboxylic acid is an orally active hypolipidemic agent^[1].

In Vivo

4'-Trifluoromethyl-2-biphenyl carboxylic acid (15-60 mg/kg, p.o., twice a day) shows hypolipidemic activity in diet-induced hypercholesterolemic African green monkeys^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Diet-induced hypercholesterolemic African green monkeys ^[5]
Dosage:	15-60 mg/kg
Administration:	Oral administration (p.o.)
Result:	Reduced serum LDL-cholesterol concentrations.

REFERENCES

[1]. Lewis MC, et al. Evaluation of the hypolipidemic activity of xenalipin in experimental animals. *Atherosclerosis*. 1987 Mar;64(1):27-35.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA