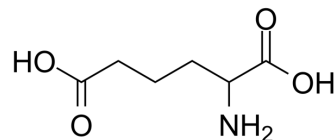


## Aminoadipic acid

Cat. No.:	HY-113328
CAS No.:	542-32-5
Molecular Formula:	C <sub>6</sub> H <sub>11</sub> NO <sub>4</sub>
Molecular Weight:	161.16
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 5 mg/mL (31.03 mM; Need ultrasonic)					
	DMSO : 2 mg/mL (12.41 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	6.2050 mL	31.0251 mL	62.0501 mL
			5 mM	1.2410 mL	6.2050 mL	12.4100 mL
10 mM			0.6205 mL	3.1025 mL	6.2050 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 4 mg/mL (24.82 mM); Clear solution; Need ultrasonic and warming					

### BIOLOGICAL ACTIVITY

Description	Aminoadipic acid is an intermediate in the metabolism of lysine and saccharopine.
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### CUSTOMER VALIDATION

- Nat Commun. 2023 Jun 13;14(1):3494.
- Exp Eye Res. 2023 Jan 15.

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

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## REFERENCES

[1]. Wang TJ, et al. 2-Aminoadipic acid is a biomarker for diabetes risk. J Clin Invest. 2013 Oct;123(10):4309-17.

[2]. Wang X, et al.  $\alpha$ -Aminoadipic acid protects against retinal disruption through attenuating Müller cell gliosis in a rat model of acute ocular hypertension. Drug Des Devel Ther. 2016 Oct 20;10:3449-3457.

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

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