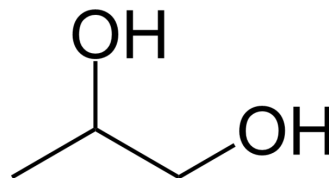


## (±)-1,2-Propanediol

Cat. No.:	HY-Y0921	
CAS No.:	57-55-6	
Molecular Formula:	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	
Molecular Weight:	76.09	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years 4°C 2 years



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (1314.23 mM; ultrasonic and warming and heat to 60°C) H <sub>2</sub> O : 100 mg/mL (1314.23 mM; Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	(±)-1, 2-propanediol (1,2-(RS)-Propanediol) is an aliphatic alcohol that is often used as an excipient in many active molecular preparations to increase the solubility and stability of the active molecule. (±)-1, 2-propanediol can affect the neurobehavior of zebrafish <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### CUSTOMER VALIDATION

- iScience. 2023 Nov 1.

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

### REFERENCES

- [1]. Massarsky A, et al. Neurobehavioral effects of 1,2-propanediol in zebrafish (Danio rerio). *Neurotoxicology*. 2018 Mar;65:111-124.
- [2]. De Cock RF, et al. Low but inducible contribution of renal elimination to clearance of propylene glycol in preterm and term neonates. *Ther Drug Monit*. 2014 Jun;36(3):278-87.

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**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](mailto:tech@MedChemExpress.com)

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