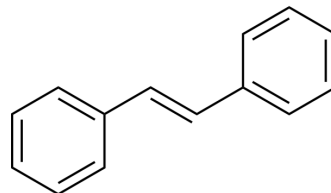


trans-Stilbene

Cat. No.:	HY-128793
CAS No.:	103-30-0
Molecular Formula:	C ₁₄ H ₁₂
Molecular Weight:	180.25
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (277.39 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		5.5479 mL	27.7393 mL	55.4785 mL
		5 mM		1.1096 mL	5.5479 mL	11.0957 mL
10 mM		0.5548 mL	2.7739 mL	5.5479 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	trans-Stilbene ((E)-Stilbene) is used in the manufacturing of dye lasers, optical brighteners, non-steroidal synthetic estrogens.
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REFERENCES

[1]. Julia López-Hernández, et al. Trans-Stilbenes in Commercial Grape Juices: Quantification Using HPLC Approaches. Int J Mol Sci. 2016 Oct 24;17(10):1769.

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

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