



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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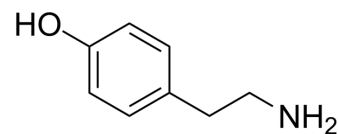
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## Tyramine

Cat. No.:	HY-W007606
CAS No.:	51-67-2
Molecular Formula:	C <sub>8</sub> H <sub>11</sub> NO
Molecular Weight:	137.18
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	DMSO : 33.33 mg/mL (242.97 mM; Need ultrasonic)					
	H <sub>2</sub> O : 5.26 mg/mL (38.34 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	7.2897 mL	36.4485 mL	72.8969 mL
			5 mM	1.4579 mL	7.2897 mL	14.5794 mL
10 mM			0.7290 mL	3.6448 mL	7.2897 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 (29.16 mM); Clear solution; Need ultrasonic and warming and heat to 60°C					
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (18.22 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (18.22 mM); Suspended solution; Need ultrasonic					
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.22 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Tyramine is an amino acid that helps regulate blood pressure. Tyramine occurs naturally in the body, and it's found in certain foods <sup>[1]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite
In Vitro	Tyramine is normally broken down in your body by an enzyme called MAO (monoamine oxidase) <sup>[1]</sup> .

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

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## CUSTOMER VALIDATION

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- Int J Mol Sci. 2022, 23(20), 12420.

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

## REFERENCES

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[1]. C Brown , et al. The Monoamine Oxidase Inhibitor-Tyramine Interaction. J Clin Pharmacol. 1989 Jun;29(6):529-32.

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

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