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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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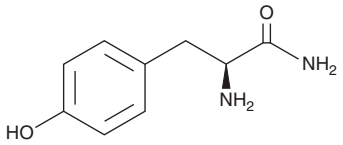
PRODUCT INFORMATION

L-Tyrosine amide

Item No. 30453

CAS Registry No.:	4985-46-0
Formal Name:	αS-amino-4-hydroxy-benzenepropanamide
Synonym:	L-Tyrosinamide
MF:	$C_9H_{12}N_2O_2$
FW:	180.2
Purity:	≥98%
UV/Vis.:	λ_{max}: 227 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

L-Tyrosine amide is supplied as a solid. A stock solution may be made by dissolving the L-tyrosine amide in the solvent of choice, which should be purged with an inert gas. L-Tyrosine amide is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of L-tyrosine amide in these solvents is approximately 10 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of L-tyrosine amide can be prepared by directly dissolving the solid in aqueous buffers. The solubility of L-tyrosine amide in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

L-Tyrosine amide is a tyrosine derivative and chiral ligand that has been used in the *in vitro* selection of DNA aptamers for the development of aptamer-based biosensors.[1,2]

References

1. Vianini, E., Palumbo, M., and Gatto, B. In vitro selection of DNA aptamers that bind L-tyrosinamide. *Bioorg. Med. Chem.* **9(10)**, 2543-2548 (2001).
2. Osypova, A., Thakar, D., Dejeu, J., *et al.* Sensor based on aptamer folding to detect low-molecular weight analytes. *Anal. Chem.* **87(15)**, 7566-7574 (2015).

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