

## L-m-Tyrosine

## Chemical Properties

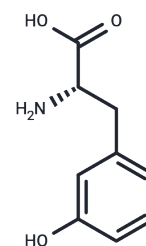
CAS No. : 587-33-7

Formula: C<sub>9</sub>H<sub>11</sub>NO<sub>3</sub>

Molecular Weight: 181.19

Storage: Keep away from direct sunlight, Store under nitrogen  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	L-m-Tyrosine (3-Hydroxy-L-Phenylalanine) is a non-natural amino acid. L-(-)-m-Tyrosine displays the potential in treating Parkinson's disease, arthritis, and Alzheimer's disease.
Targets(IC50)	Others, Amino Acids and Derivatives

## Solubility Information

Solubility	DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5191 mL	27.5953 mL	55.1907 mL
5 mM	1.1038 mL	5.5191 mL	11.0381 mL
10 mM	0.5519 mL	2.7595 mL	5.5191 mL
50 mM	0.1104 mL	0.5519 mL	1.1038 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Leung K. 8-[(123)I]Iodo-L-1,2,3,4-tetrahydro-7-hydroxyisoquinoline-3-carboxylic acid. 2007 Feb 22 [updated 2008 May 12]. Molecular Imaging and Contrast Agent Database (MICAD) [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2004-2013. Available from <http://www.ncbi.nlm.nih.gov/books/NBK23698/> PubMed PMID: 20641893.

The MICAD Research Team. 4-[(18)F]Fluoro-L-m-tyrosine. 2006 Oct 11 [updated 2006 Nov 9]. Molecular Imaging and Contrast Agent Database (MICAD) [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2004-2013. Available from <http://www.ncbi.nlm.nih.gov/books/NBK23533/> PubMed PMID: 20641732.

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