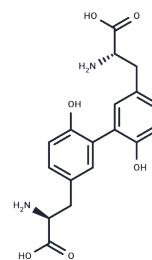


## L,L-Dityrosine

## Chemical Properties

CAS No. :	63442-81-9
Formula:	C <sub>18</sub> H <sub>20</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	360.36
Storage:	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,L-Dityrosine, a component found in the acid hydrolysates of various biological materials, such as insect cuticular resilin, plays a significant role in biochemical processes.
Targets(IC50)	Others,Amino Acids and Derivatives

## Solubility Information

Solubility	H <sub>2</sub> O: 5.56 mg/mL (15.43 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.775 mL	13.875 mL	27.750 mL
5 mM	0.555 mL	2.775 mL	5.550 mL
10 mM	0.2775 mL	1.3875 mL	2.775 mL
50 mM	0.0555 mL	0.2775 mL	0.555 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

Kungl AJ, et al. Molecular dynamics simulation of the rare amino acid LL-dityrosine and a dityrosine-containing peptide: comparison with time-resolved fluorescence. *Biochim Biophys Acta*. 1994 Dec 15;1201(3):345-52.

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