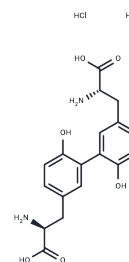


L,L-Dityrosine hydrochloride

Chemical Properties

CAS No. :	221308-01-6
Formula:	C ₁₈ H ₂₂ Cl ₂ N ₂ O ₆
Molecular Weight:	433.28
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	L,L-Dityrosine hydrochloride, also known as o,o'-Dityrosine hydrochloride, is a compound found in acid hydrolysates of various biological materials, notably the insect cuticular resilin.
Targets(IC50)	Others,Amino Acids and Derivatives
In vivo	The concentration of L,L-Dityrosine hydrochloride (also known as o,o'-Dityrosine hydrochloride) is increased in the ventral midbrain and striatum regions of mice treated with MPTP.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.308 mL	11.5399 mL	23.0798 mL
5 mM	0.4616 mL	2.308 mL	4.616 mL
10 mM	0.2308 mL	1.154 mL	2.308 mL
50 mM	0.0462 mL	0.2308 mL	0.4616 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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