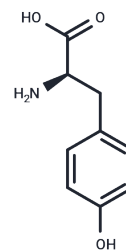


## D-Tyrosine

## Chemical Properties

CAS No. :	556-02-5
Formula:	C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>
Molecular Weight:	181.19
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	D-Tyrosine, the D-isomer of tyrosine, acts as a negative regulator of melanin synthesis by inhibiting tyrosinase activity. Furthermore, D-Tyrosine also inhibits biofilm formation and induces the self-dispersal of biofilms, while not affecting bacterial growth.
Targets(IC50)	Tyrosinase

## Solubility Information

Solubility	H <sub>2</sub> O: Insoluble, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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