

## 4-(Trifluoromethyl)-L-phenylalanine

## Chemical Properties

CAS No. :	114926-38-4
Formula:	C <sub>10</sub> H <sub>10</sub> NO <sub>2</sub> F <sub>3</sub>
Molecular Weight:	233.19
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	4-(Trifluoromethyl)-L-phenylalanine is a phenylalanine derivative suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Amino Acids and Derivatives

## Solubility Information

Solubility	H <sub>2</sub> O: 1.5 mg/mL (6.43 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	4.2883 mL	21.4417 mL	42.8835 mL
5 mM	0.8577 mL	4.2883 mL	8.5767 mL
10 mM	0.4288 mL	2.1442 mL	4.2883 mL
50 mM	0.0858 mL	0.4288 mL	0.8577 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

Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-807.

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