

## Tricine

## Chemical Properties

CAS No. : 5704-04-1

Formula: C<sub>6</sub>H<sub>13</sub>NO<sub>5</sub>

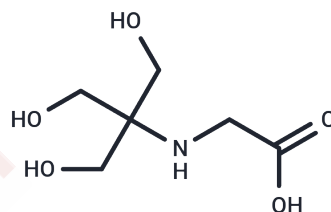
Molecular Weight: 179.17

Storage:

Keep away from moisture, Keep away from direct sunlight

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	Tricine is an amphoteric ion biological buffer agent with an effective buffering range of pH 7.4 to 8.8, commonly used in the Tricine-SDS-PAGE system.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 20 mg/mL (111.63 mM), Sonication is recommended. DMSO: 1 mg/mL (5.58 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	5.5813 mL	27.9065 mL	55.8129 mL
5 mM	1.1163 mL	5.5813 mL	11.1626 mL
10 mM	0.5581 mL	2.7906 mL	5.5813 mL
50 mM	0.1116 mL	0.5581 mL	1.1163 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

Kersch C, et,al. Benzo[a]pyrene and UV light co-exposure: differential effects on oxidative stress and genotoxicity in human keratinocytes and ex vivo skin. Arch Toxicol. 2025 Jul 1.

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