

## Tris-acetate

## Chemical Properties

CAS No. :	6850-28-8
Formula:	C <sub>6</sub> H <sub>15</sub> NO <sub>5</sub>
Molecular Weight:	181.19
Storage:	Keep away from moisture,Keep away from direct sunlight 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	Tris-acetate is an amino alcohol buffer with low toxicity. It maintains pH stability in vitro and in vivo by accepting protons (H <sup>+</sup> ) to neutralize acids. Tris-acetate is commonly used in biochemical and pharmaceutical research as a buffering agent, with an effective buffering range of pH 7.0-9.2 and a pKa of approximately 8.3 (at 20°C).
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80.00 mg/mL (441.53 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	5.5191 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.

Reference

Nahas GG, et al. Guidelines for the treatment of acidaemia with THAM. Drugs. 1998 Feb;55(2):191-224.

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