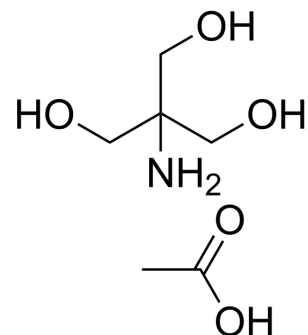


## THAM acetate

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-D0227B  |
| <b>CAS No.:</b>           | 6850-28-8  |
| <b>Molecular Formula:</b> | C <sub>6</sub> H <sub>15</sub> NO <sub>5</sub>   |
| <b>Molecular Weight:</b>  | 181.19   |
| <b>Target:</b>            | Biochemical Assay Reagents   |
| <b>Pathway:</b>           | Others   |
| <b>Storage:</b>           | 4°C, sealed storage, away from moisture and light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (551.91 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 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  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Trometamol acetate (Tromethamine acetate) is a biologically inert amino alcohol of low toxicity, which buffers carbon dioxide and acids in vitro and in vivo. Trometamol acetate is an effective amine compound for pH control in the physiological range<sup>[1]</sup>.

### REFERENCES

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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