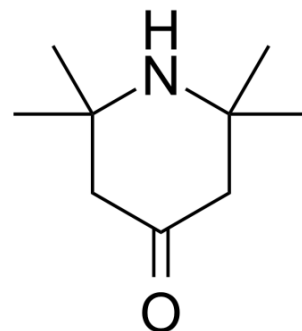


## Triacetoneamine

Cat. No.:	HY-N1131
CAS No.:	826-36-8
Molecular Formula:	C <sub>9</sub> H <sub>17</sub> NO
Molecular Weight:	155.24
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	Ethanol : 50 mg/mL (322.08 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	6.4416 mL	32.2082 mL	64.4164 mL
				5 mM	1.2883 mL	6.4416 mL	12.8833 mL
				10 mM	0.6442 mL	3.2208 mL	6.4416 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.10 mM); Clear solution						
	2. Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.10 mM); Clear solution						
	3. Add each solvent one by one: 10% EtOH >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.10 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Triacetoneamine is used as an intermediate for the synthesis of pharmaceutical products, pesticides and photostabilizers for polymers. Triacetoneamine is an artifact of plant and fungal extracts using acetone and ammonium hydroxide or natural occurrence of ammonium salts in various steps of the isolation procedures. TAA is the main component of the pyrolysis oil <sup>[1]</sup>
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### REFERENCES

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[1]. Cao JP, et al. Triacetonamine formation in a bio-oil from fast pyrolysis of sewage sludge using acetone as the absorption solvent. Bioresour Technol. 2010 Jun;101(11):4242-5.

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

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