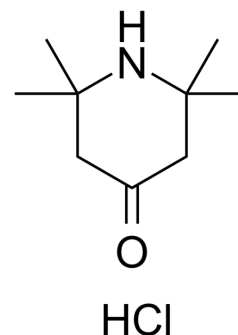


Triacetoneamine hydrochloride

Cat. No.:	HY-N1131A
CAS No.:	33973-59-0
Molecular Formula:	C ₉ H ₁₈ ClNO
Molecular Weight:	191.7
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Triacetoneamine (2,2,6,6-Tetramethyl-4-piperidone) hydrochloride is used as an intermediate for the synthesis of pharmaceutical products, pesticides and photostabilizers for polymers. Triacetoneamine hydrochloride has oral activity and can induce acute liver failure (ALF) in rats ^{[1][2]} .								
In Vivo	<p>Triacetoneamine (Purchased from MCE; 200 mg, 300 mg, 400 mg/Kg/day; gavage; 2 days) hydrochloride shows typical hepatoenteropathology of ALF with 300 mg/Kg/day and 400 mg/Kg/day, while the group of 400 mg/Kg/day had higher mortality^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>Rats (half male and female, 6-8 weeks old, 200 ± 10 g)^[2]</td> </tr> <tr> <td>Dosage:</td> <td>200 mg, 300 mg, 400 mg/Kg</td> </tr> <tr> <td>Administration:</td> <td>Gavage; daily; 2 days</td> </tr> <tr> <td>Result:</td> <td>Showed typical hepatoenteropathology of ALF with 300 mg/Kg/day and 400 mg/Kg/day, while the group of 400 mg/Kg/day had higher mortality.</td> </tr> </table>	Animal Model:	Rats (half male and female, 6-8 weeks old, 200 ± 10 g) ^[2]	Dosage:	200 mg, 300 mg, 400 mg/Kg	Administration:	Gavage; daily; 2 days	Result:	Showed typical hepatoenteropathology of ALF with 300 mg/Kg/day and 400 mg/Kg/day, while the group of 400 mg/Kg/day had higher mortality.
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CUSTOMER VALIDATION

- J Tissue Eng Regen Med. 2022 Feb 5.

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

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