



LKT Laboratories, Inc.

## Nitroso(acetoxymethyl)methylamine

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### Product Information

**Product ID** N3276

**CAS No.** 56856-83-8

**Chemical Name** Acetoxymethyl methylnitrosamine

**Synonym** Methyl(acetoxymethyl)nitrosamine,  $\alpha$ -Acetoxy dimethylnitrosamine

**Formula**  $C_4H_8N_2O_3$

**Formula Wt.** 132.12

**Melting Point**

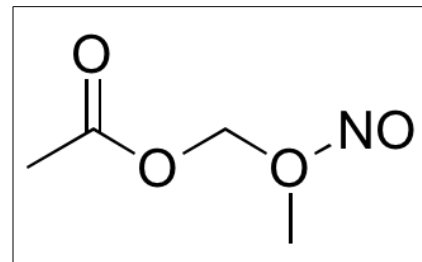
**Purity**  $\geq 98\%$

**Solubility** Soluble in water.

**Store Temp**  $-20^{\circ}C$

**Ship Temp** Ambient

**Description** This compound is a precursor of NNK found in tobacco smoke; it exhibits immunosuppressive, mutagenic, and carcinogenic activities. In alveolar and bronchial epithelial cells, this compound inhibits production of IL-8 and MCP-1. This compound also induces the formation of tumors in vivo. TEST!!!!!!



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
N3276	10 mg	\$155.10
N3276	50 mg	\$464.90
N3276	100 mg	\$818.80

**References** Proulx LI, Gaudreault M, Turmel V, et al. 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone, a component of tobacco smoke, modulates mediator release from human bronchial and alveolar epithelial cells. Clin Exp Immunol. 2005 Apr;140(1):46-53. PMID: 15762874.

Cloutier JF, Drouin R, Castonguay A. Treatment of human cells with N-Nitroso(acetoxymethyl)methylamine: distribution patterns of piperidine-sensitive DNA damage at the nucleotide level of resolution are related to the sequence context. Chem Res Toxicol. 1999 Sep;12(9):840-9. PMID: 10490506.

Klein RG, Schmezer P, Komitowski D. Carcinogenicity of small doses of inhaled N-nitrosoacetoxymethyl-N-methylamine in Syrian golden hamsters. J Cancer Res Clin Oncol. 1986;111(2):108-9. PMID: 3700456.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.