

Azoxymethane

Chemical Properties

CAS No. : 25843-45-2

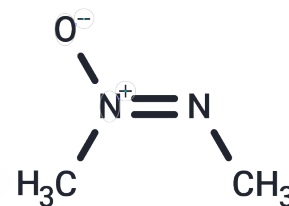
Formula: C₂H₆N₂O

Molecular Weight: 74.08

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Azoxymethane (AOM) is a colon-specific carcinogen that induces DNA damage and forms DNA adducts, and is commonly used to establish mouse models of colorectal cancer.
Targets(IC50)	DNA

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.4989 mL	67.4946 mL	134.9892 mL
5 mM	2.6998 mL	13.4989 mL	26.9978 mL
10 mM	1.3499 mL	6.7495 mL	13.4989 mL
50 mM	0.270 mL	1.3499 mL	2.6998 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

Megaraj V, et al. Role of hepatic and intestinal p450 enzymes in the metabolic activation of the colon carcinogen azoxymethane in mice. *Chem Res Toxicol.* 2014 Apr 21;27(4):656-62.

Whetstone RD, et al. Colon carcinogenesis in wild type and immune compromised mice after treatment with azoxymethane, and azoxymethane with dextran sodium sulfate. *Mol Carcinog.* 2016 Jul;55(7):1187-95.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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