Data Sheet (Cat.No.T23797)



Bis(diazoacetyl)butane

Chemical Properties

CAS No.: 1448-16-4

Formula: C8H10N4O2

Molecular Weight: 194.19

Appearance: no data available

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

Biological Description

Description	Bis(diazoacetyl)butane is a mutagen and traditionally related to radio-mimetic chemical		
	mutagens due to the similarity of appearance of mutagenic action of this mutagen and		
	physical mutagens. It also has anti-tumor and carcinogenic activity		

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1496 mL	25.748 mL	51.496 mL
5 mM	1.0299 mL	5.1496 mL	10.2992 mL
10 mM	0.515 mL	2.5748 mL	5.1496 mL
50 mM	0.103 mL	0.515 mL	1.0299 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.

Reference

Aslanian MM, Kim AI, Smirnova VA. [Characteristics of the mutagenic action of 1,4-bis-diazoacetylbutane on mature Drosophila melanogaster sperm]. Genetika. 1981;17(4):677-83. Russian. PubMed PMID: 6785154.

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