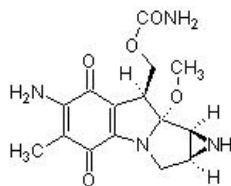


Product datasheet

Mitomycin C (MMC), Anticancer and antibiotic agent
ab120797

1 Image

Overview

Product name	Mitomycin C (MMC), Anticancer and antibiotic agent
Description	Anticancer and antibiotic agent
Biological description	Anticancer and antibiotic agent. Crosslinks DNA. Inhibits DNA synthesis and nuclear division. Also induces apoptosis.
Purity	> 99%
CAS Number	50-07-7
Chemical structure	

Properties

Chemical name	(1a <i>S</i> ,8 <i>S</i> ,8a <i>R</i> ,8b <i>S</i>)-6-Amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methylazirino[2',3':3,4]pyrrolo[1,2- <i>a</i>]indole-4,7-dione
Molecular weight	334.33
Molecular formula	C ₁₅ H ₁₈ N ₄ O ₅
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	<i>Streptomyces</i> sp.

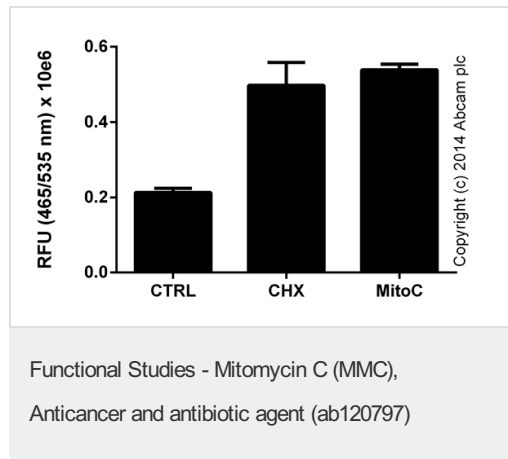
Applications

Our [Abpromise guarantee](#) covers the use of **ab120797** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Functional assays: Caspase 8 (active) FITC Staining Kit

(ab65614)

Active caspase 8 in control Jurkat cells (10e6/mL) or cells treated for five hours with 10 ug/mL Cyclohexamide (CHX) (ab120093) or four hours with 25 ug/mL Mitomycin C (MitoC) (ab120797).

Background signal subtracted, duplicates; +/- SD.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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