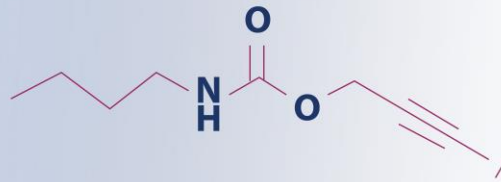


# Lodopropynyl Butylcarbamate



## PRODUCT IN FOCUS



## Iodopropynyl butylcarbamate

### INTRODUCTION

Iodopropynyl butylcarbamate, also known as IPBC, is an antimicrobial ingredient commonly used in cosmetics. It appears as a white, crystalline powder. It is not a paraben; it belongs to a different chemical class called carbamates. It is soluble in both water and oil-based systems. IPBC was invented in the 1970s and has a long history of effective use as an antifungal technology.

### MANUFACTURE

IPBC is typically synthesized through a reaction between iodine, butylamine, and carbamic acid. The reaction forms the iodopropynyl butylcarbamate compound, which is then further processed and purified to obtain the final product.

### APPLICATIONS

ⓧ Iodopropynyl Butylcarbamate is widely used in the cosmetics industry for its antimicrobial properties and preservative capabilities. It is incorporated into various cosmetic formulations to prevent the growth of bacteria, yeast, and mold, thereby extending the shelf life of the products.

#### Baby Care

- Baby lotion
- Baby wash and shampoo
- Diaper rash cream
- Flushable moist wipes

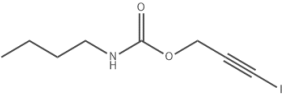
#### Hair Styling Products

- Gel
- Hairspray
- Pomade
- Root lifter

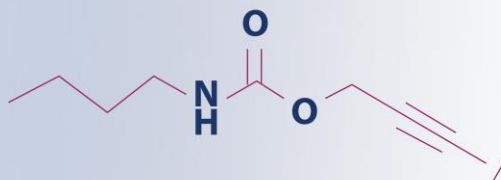
#### Lotions and Skin Care Products

- Acne treatment
- Anti-itch cream
- Bar soap
- Body lotion
- Moisturizer
- Wrinkle cream

ⓧ It is also used as a biocide in paints, primers, and industrial coolants and cooling lubricants.

<b>Synonym</b>	3-Iodo-2-propynyl butylcarbamate
<b>CAS no.</b>	55406-53-6
<b>EINECS No</b>	259-627-5
<b>Molecular formula</b>	$C_9H_{12}IN_3O_2$
<b>Molecular weight</b>	281.09 g/mol
<b>Structure</b>	

# Lodopropynyl Butylcarbamate



## PRODUCT IN FOCUS



### SPECIFICATIONS

Test	Unit	Specification
Description	-	White to off white to light yellow crystalline powder
Clarity (5% solution in methanol)	-	Clear solution
Moisture	%	NMT 0.50
Melting Point	°C	65.0 – 71.0
Assay (by HPLC)	%	NLT 98.0

### PACKING

25 kg UN approved drum.

### STORAGE

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature.

### CERTIFICATION

ISO 9001-2015, ISO 14001-2015, ISO 22000-2018, FDA – Manufacturing License, WHO–GMP

### REACH Status

Not registered yet.

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