



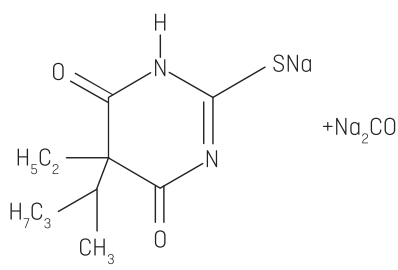
**NORTHERN  
SYNTHESIS**

# **PRODUCT BROCHURE**



# Thiopental sodium and sodium carbonate E.P./BP

## MAIN INFO

<b>Description</b>	Thiopental sodium is a mixture of sodium 5-ethyl-5-[(1R)-1-methylbutyl]-4,6-dioxo-1,4,5,6-tetrahydropyrimidine-2-thiolate and anhydrous sodium carbonate.
<b>CAS No</b>	71-73-8
<b>Therapeutic Category</b>	Anesthetic Agent
<b>Structural Formula</b>	
<b>Molecular Formula</b>	$C_{11}H_{17}N_2NaO_2S$
<b>Molecular mass</b>	264.3

## SPECIFICATION

<b>Characers</b>	A yellowish-white powder, hygroscopic, freely soluble in water, partly soluble in anhydrous ethanol.
<b>Identification</b>	Tests A;B;C;D;E as per E.P.
<b>Appearance of solution</b>	As per E.P
<b>Chlorides</b>	NMT 330 ppm
<b>Loss on drying, %</b>	NMT 2.5
<b>Assay (anhydrous substance)</b>	
Sodium, %	10.2 – 11.2
Thiopental, %	84.0 – 87.0
<b>Related impurities (HPLC)</b>	
Impurity A, %	Not more than 0.1
Impurity B, %	Not more than 1.0
Impurity C, %	Not more than 3.0
Impurity D, %	Not more than 0.3
<b>Unspecified impurities, %</b>	Not more than 0.10
<b>Total impurities, %</b>	Not more than 5.0

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