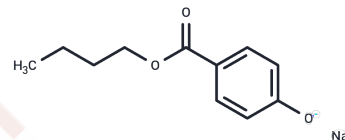


## Butylparaben sodium

## Chemical Properties

CAS No. :	36457-20-2
Formula:	C <sub>11</sub> H <sub>13</sub> NaO <sub>3</sub>
Molecular Weight:	216.21
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Butylparaben sodium significantly impacts the later phases of spermatogenesis in the testes by impairing hormonal regulation and/or RNA and protein synthesis [1].
Targets(IC50)	Antibacterial,DNA/RNA Synthesis
In vitro	Butylparaben sodium (0-500 μM, 44 hours) inhibits the rates of porcine fertilization, cleavage, and blastocyst formation [3].
In vivo	Butylparaben sodium (0-50 mg/kg/day, s.c., 13 weeks) demonstrated no systemic toxicity in rats [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6251 mL	23.1257 mL	46.2513 mL
5 mM	0.925 mL	4.6251 mL	9.2503 mL
10 mM	0.4625 mL	2.3126 mL	4.6251 mL
50 mM	0.0925 mL	0.4625 mL	0.925 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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