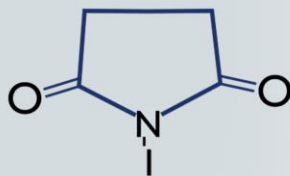


# N-iodosuccinimide



## PRODUCT IN FOCUS



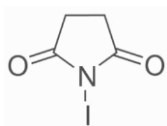
## N-Iodosuccinimide

### INTRODUCTION

N-Iodosuccinimide (NIS) is a heterocyclic organic compound. It is iodination and mild oxidation agent. In iodination reactions, NIS is preferred over molecular iodine for the ease of handling. The halogenated succinimide has various applications in organics chemistry and medical sciences.

### Manufacture

It is manufactured by iodination of succinimide in aqueous caustic soda solution.

<b>Synonym</b>	NIS Succiniodimide 1-Iodo-2,5-pyrrolidinedione
<b>CAS no.</b>	516-12-1
<b>EINECS no.</b>	208-221-6
<b>Molecular formula</b>	C <sub>4</sub> H <sub>4</sub> INO <sub>2</sub>
<b>Molecular weight</b>	224.98
<b>Structure</b>	

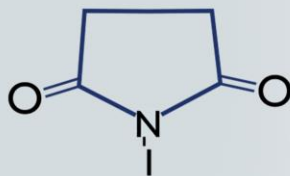
### Applications

NIS is used as reagent in the following organics chemicals reactions:

- Ⓢ Iodination of alkenes to form iodoalkanes
- Ⓢ Conversion of thioglyconate to 1-hydroxy glyconate
- Ⓢ Preparation of vinyl sulphones from olefins
- Ⓢ Oxidative cleavage of vicinal, mono-protected diols
- Ⓢ Oxidation of tosylhydrazine
- Ⓢ Iodination of C-5 positions of dialkoxypyrimidines and uracils
- Ⓢ Preparation of 4-chloro-5-iodo-7-methyl-7H-pyrrolo[2,3-d]pyrimidine
- Ⓢ Oxidative conversion of sulphur compounds

N-iodosuccinimide also finds use in medical sciences. It is used in study of metabolism of drugs and other compounds in cell culture.

# N-IODOSUCCINIMIDE



## PRODUCT IN FOCUS



### SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Off-white to slightly tan crystalline powder
Melting range	°C	198.0 - 206.0
LOD at 60 °C, 3 hours	%	Max 0.1
NBS content	%	Max 0.3
Assay	%	Min 99.5

### STORAGE

Stored at ambient temperature

### PACKING

25 kg UN-approved HDPE drum

### REACH Status

Not registered yet

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.