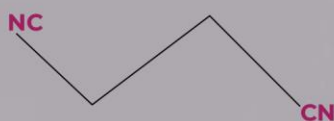


# SUCCINONITRILE



## PRODUCT IN FOCUS



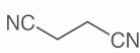
## Succinonitrile

### INTRODUCTION

Succinonitrile is a colorless, low melting solid belonging to dinitrile category of organic compounds. The presence of two cyano groups renders the molecule reactive and thus it undergoes various reactions.

### Manufacture

The dinitrile is manufactured by ammonolysis of succinic acid or by cyanoethylation of acrylonitrile by hydrogen cyanide.

<b>Synonyms</b>	1,2-Dicyanoethane Ethylene dicyanide
<b>CAS no.</b>	110-61-2
<b>EINECS no.</b>	203-783-9
<b>Molecular formula</b>	C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>
<b>Molecular weight</b>	80.08
<b>Structure</b>	

### Applications

#### Intermediates:

- ✔ 1,4-Diaminobutane

#### Colorants:

- ✔ Quinacone pigment

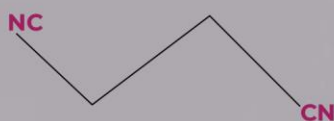
#### Plastics:

- ✔ in manufacture of nitron fibers
- ✔ in production of Nylon 4
- ✔ in synthesis of PMMA-succinonitrile copolymer

#### Others:

- ✔ as nickel plating agent
- ✔ as brightening agents
- ✔ in lubricants
- ✔ in gel copolymer electrolytes
- ✔ as an electrolyte additive in Li-ion batteries

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### SPECIFICATIONS

Test	Unit	Specification
Appearance	-	White crystal
Melting point	°C	55.0 - 57.0
Moisture	%	Max 0.5
Assay	%	Min 99.0

### STORAGE

Stored at ambient temperature

### PACKING

125 kg UN approved GI drum

### REACH Status

Not registered yet

ExSyn offers succinonitrile on commercial scales and welcomes enquiries. 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.