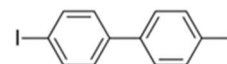




## TECHNICAL DATA SHEET

**Product name:** 4,4'-Diiodobiphenyl



### Specifications

Parameters	Specifications	Typical results
Appearance	Pale yellow shining crystalline powder.	Complies
Water by (KF)	NMT 1.0%	0.5%
Purity	NLT 98.0%	99.9%

### Stability and storage:

4,4'-Diiodobiphenyl is generally stored in a cool, dry, and well-ventilated area, with containers kept tightly closed to prevent moisture and air exposure. It should be stored away from incompatible materials, particularly oxidizing agents.

The compound is hygroscopic, meaning it absorbs moisture from the air. Therefore, it should be stored in a dry environment.

It's generally advisable to store chemicals away from direct sunlight, which may degrade the compounds.

Store away from strong oxidizing agents and other incompatible materials.

### Application Area:

4,4'-Diiodobiphenyl is a versatile chemical compound primarily used as a building block in the pharmaceutical industry for synthesizing various drug molecules. It also finds applications as an intermediate in the production of other organic compounds, including those used in antiseptics, disinfectants, and analytical reagents. It acts as an organic building block for synthesizing various other organic compounds. It can be used as an analytical reagent in chemical analysis.

It's used as a building block in the development of new drug molecules, contributing to the creation of a wide range of therapeutic agents.

### General information

CAS No. : 3001-15-8  
 IUPAC Name : 1-iodo-4-(4-iodophenyl) benzene  
 Synonyms : 4,4'-diiodo-1,1'-biphenyl  
 EC No. : 221-080-5

### Physical/Chemical properties:

Molecular Formula : C<sub>12</sub>H<sub>8</sub>I<sub>2</sub>  
 Molecular weight : 406  
 Melting point : 201-204 °C  
 Solubility : hot Toluene  
 Physical state at 20°C : Solid  
 Sensitive : Light Sensitive

### Hazard classification & labelling:

Single Word : Warning

Pictogram :



Classification according to Regulation (EC) No 1272/2008 : H302+H312+H332

Precautionary statement(s) : P261, P264, P280, P301+P312, P302+P352+P312, P304+P340+P312