

## I,4-DIMETHOXYBENZENE (PDMB)

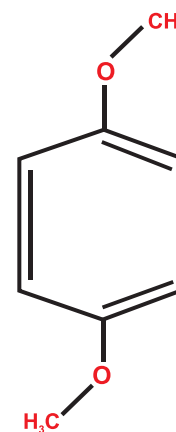
### Introduction

1,4-Dimethoxybenzene is an organic chemical compound. It is a solid crystalline mass, white in colour with a pleasant sweet odour.

1,4-Dimethoxybenzene is manufactured industrially by the methylation of hydroquinone. It is used in industry as an intermediate for fine chemical synthesis or an ingredient in the formulation of perfumes and detergents. It is also used in dyes (yellow pigment).

PDMB may cause some adverse effects on human health. It is harmful if swallowed, causes slight skin irritation and eye irritation. 1,4-dimethoxybenzene is biodegradable & has a low potential for bioaccumulation, so it will not remain persistent in nature.

### Chemical Identity



<b>NAME</b>	:para-Dimethoxybenzene (PDMB)
<b>CHEMICAL NAME</b>	: 1,4-Dimethoxybenzene
<b>SYNONYM</b>	:Hydroquinone dimethyl ether p-Methoxyanisole
<b>CAS NO</b>	: 150-78-7
<b>MOLECULAR FORMULA</b>	: C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT</b>	: 138.16 g/mol

## I,4-DIMETHOXYBENZENE (PDMB)

### Physical & Chemical Properties

Appearance	:White crystalline solid
Odor	:Pleasant aromatic odour
Purity by GC	:Min 99.0%
Melting Point	:56-60°C
Boiling Point	:212-213°C
Solubility in Solvents	:Soluble in Methanol, Chloroform, Ether etc
Explosive Properties	:Non-Explosive

### Uses & Applications

Intermediates prepared from PDMB are used in synthesis of active pharmaceutical ingredients such as Medodrine. It is also used as intermediate for plastic additives & dyes (yellow pigment).

PDMB is used as a formulation ingredient in perfumes, cosmetics, personal care products, detergents (washing & cleaning products) & flavouring agents.

It is also used as a weathering agent in paints & dyes.

### Packaging & Shelf Life

25 kg packed in an LDPE bag inside an HDPE bag. The product has a shelf life of one year from its manufacturing date, when properly stored in its original sealed container. Keep the product in a tightly closed container away from light.

### Disclaimer

THE INFORMATION CONTAINED IN THIS DOCUMENT IS GIVEN IN GOOD FAITH ON OUR CURRENT KNOWLEDGE. IT IS ONLY AN INDICATION AND IS NOWAY BINDING, PARTICULARLY AS REGARDS INFRINGEMENT OF OR PREJUDICE TO THIRD PARTY RIGHTS THROUGH THE USE OF OUR PRODUCTS. WE GUARANTEE THAT OUR PRODUCT COMPLIES WITH OUR SALES SPECIFICATIONS. THIS INFORMATION MUST ON NO ACCOUNT BE USED AS A SUBSTITUTE FOR NECESSARY PRIOR TESTS WHICH ALONE CAN ENSURE THAT A PRODUCT IS SUITABLE FOR ITS GIVEN USE. USERS ARE RESPONSIBLE FOR ENSURING COMPLIANCE WITH LOCAL LEGISLATION AND FOR OBTAINING THE NECESSARY CERTIFICATIONS FROM AUTHORITIES. USERS ARE REQUESTED TO CHECK THAT THEY ARE IN POSSESSION OF THE LATEST VERSION OF THIS DOCUMENT AND WE ARE AT THEIR DISPOSAL TO SUPPLY ANY ADDITIONAL INFORMATION.