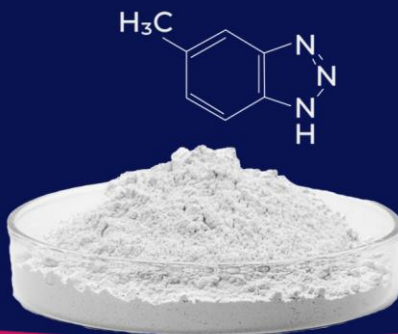


5-METHYL-1H-BENZOTRIAZOLE



PRODUCT IN FOCUS



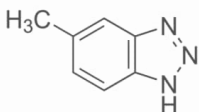
5-Methyl-1H-Benzotriazole

INTRODUCTION

5-Methyl-1H-benzotriazole is a heterocyclic organic chemical. The compound has excellent anti-corrosive properties due to the presence of three ammoniacal nitrogen atoms. Besides, it also has other applications including synthesis of intermediates for APIs.

Manufacture

The product is manufactured by cyclization of 3,4-diaminotoluene.

| | |
|--------------------------|---|
| Synonym | 6-Methylbenzotriazole 5-Toluyltriazole |
| CAS no. | 136-85-6 |
| EINECS no. | 205-265-8 |
| Molecular formula | C ₇ H ₇ N ₃ |
| Molecular weight | 133.15 |
| Structure |  |

Applications

Intermediates:

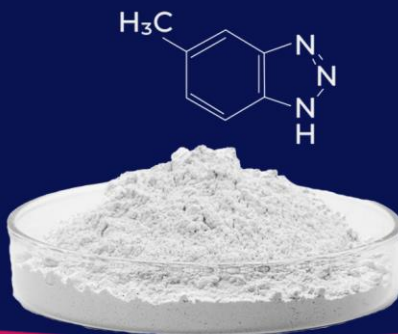
5-Methyl-1H-benzotriazole is used in the synthesis of:

- ✓ 5-Methyl-4-nitro-1H-1,2,3-benzotriazole
- ✓ 5-Methyl-2-(9H-xanthen-9-yl)-2H benzotriazole
- ✓ 4,5,6,7-Tetrahydrotoluyltriazole
- ✓ 5-Methyl-4-amino-1H-benzotriazole

Others:

- ✓ As anti-corrosive agent
- ✓ In determination of benzothiazole and benzotriazole in water treatment
- ✓ As component of aircraft deicing and antiicing fluid
- ✓ As multifunctional petroleum additive
- ✓ As potential nitrification inhibitor of urea fertilizer

5-METHYL-1H-BENZOTRIAZOLE



PRODUCT IN FOCUS



SPECIFICATIONS

| Test | Unit | Specification |
|-----------------------|------|---|
| Appearance | - | White powder |
| Color | - | Max 45.0 |
| Solubility in alcohol | - | Clear solution with no visible impurity |
| Water | % | Max 0.15 |
| pH | - | 5.0 - 6.0 |
| Ash | % | Max 0.05 |
| Assay | % | Min 99.0 |

STORAGE

Stored at ambient temperature

PACKING

25 kg 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.