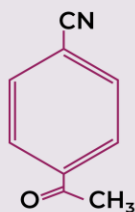


4'-Cyanoacetophenone



PRODUCT IN FOCUS



4'-Cyanoacetophenone

INTRODUCTION

4'-Cyanoacetophenone is an organic solid. It belongs to cyclic nitriles category. The presence of cyano group makes the compound reactive to form various intermediates and a few APIs. In organics syntheses, it also used as a catalyst.

Manufacture

It is manufactured by acetylation of benzonitrile with acetic anhydride in presence of a catalyst.

Applications

API

The nitrile is a KRM for:

- Ravuconazole, an anti-fungal
- Isovucanazole, also an anti-fungal
- Antimalarial isonitriles
- some anesthetic and antiallergic agents

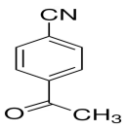
Intermediates

It is also used in manufacture of intermediates such as:

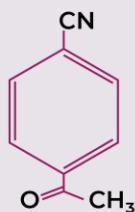
- 4-(1,2,3-thiodiazyl-4-yl)benzoyl chloride
- 4-(1,2,3-thiodiazyl-4-yl)benzonitrile
- (S)-1-(4-cyanophenyl)ethanamine
- 4-Cyanophenylglyoxal hydrate
- 1-Bromo-4-cyanoacetophenone
- 4-Acetylbenzoic acid

Others

- As additive in fuel and lubricant formulations
- Uses in polymers and fragrances are cited in the literature

Synonym	4-Acetylbenzonitrile 4-Cyanophenyl methyl ketone
CAS no.	1443-80-7
EINECS no.	215-885-0
Molecular formula	C ₉ H ₇ NO
Molecular weight	145.16
Structure	

4'-Cyanoacetophenone



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specifications
Appearance	-	Off-white to pale yellow crystalline powder
Identification by IR	-	Should conform with standard
Solubility	-	Soluble in methanol and chloroform
Melting range	°C	55.0 – 58.0
Loss on drying	% w/w	Max 0.50
Purity by GC	% área	Min 98.0

STORAGE

Stored at ambient temperature

PACKING

25 kg HDPE drum

REACH Status

Not registered

ExSyn offers 4'-cyanoacetophenone 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.