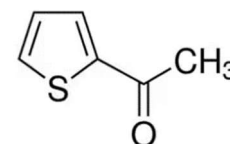




Technical data sheet

Product name: 2-Acetylthiophene



Specifications

Parameters	Specifications	Typical results
Description	Colourless To Yellow Liquid	Colourless Liquid
Solubility	Soluble in Methanol	Complies
Water content (By K.F)	NMT 0.5%	0.2 %
Sulphated ash	NMT 0.5 %	0.3 %
Purity by GC	NLT 99 %	99.35 %
3-acetyl thiophene	NMT 0.5 %	0.2 %
Total Impurities	NMT 1 %	0.38 %

Stability and storage

Stable under recommendation storage conditions, Stable under normal temperatures and pressures.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Application Areas

Applications:

It is used as raw material to manufacture industrial organic chemicals.

It can be used as a food additive.

Functional use(s) - flavor and fragrance agents. Has a sulfurous type odor and an onion type flavor.

It is also used as an intermediate to produce drugs, such as Tiamonium Iodide, Suprofan, Stepronin, Tenonitroazole, Namirotenone, etc.

2-Acetylthiophene is used in the synthesis of organoboranes as well as chalcone derivatives as anti-inflammatories.

General information

CAS No. : 88-15-3
IUPAC Name : 1-(thiophen-2-yl) ethan-1-one
Synonyms : Methyl-2-thienyl ketone
EC No : 201-804-6

Physical/Chemical properties

Molecular Formula : C₆H₆O
Molecular Weight : 126.17
Melting point : 9 °C
Boiling point : 214 °C
Flash Point : 97 °C
Density : 1.168
Physical state at 20°C : Liquid

Hazard classification & labelling

Single Word : Warning

Pictogram:



Classification according to Regulation (EC) No 1272/2008: : H300 + H330 - H311

Precautionary statement(s) : P260 - P264 - P270 - P280 - P302 + P352 + P312 - P304 + P340 + P310