

1-Bromohexane



PRODUCT IN FOCUS

1-Bromohexane

INTRODUCTION

1-Bromohexane is an organic liquid belonging to the category of alkyl bromides or bromoalkanes. Its reactivity is due to presence of bromine in the allylic position. Apart from being a useful solvent in organic synthesis, it is used in synthesis of various intermediates.

Manufacture

It is manufactured from hexene by using HBr. The process involves addition of bromine free radical across the pi bond in the substrate alkene.

Applications

Intermediates

It is used in manufacture of intermediates such as:

- 3-(Hexylamino)phenol
- 1-Fluorohexane
- 2-(2-Hexyloxyethoxy)ethanol
- Trihexylphosphine
- N-Hexyltrimethylammonium bromide
- 1-(4-Bromophenyl)hexane
- 3-Hexylthiophene
- 3-(Hexyloxy)benzaldehyde

Others

- As alkylation agent in Grignard synthesis
- In synthesis of bromocyclics and cyclic compounds substituted with linear C6 chain
- In synthesis of ionic liquids for polyketones

Synonyms

n-Hexyl bromide
Hexyl bromide

CAS no.

113-25-1

EINECS no.

203-850-2

Molecular formula

$C_6H_{13}Br$

Molecular weight

165.07

Structure



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SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Colourless to pale yellow liquid
Identification by GC	-	Retention time of the major peak obtained from the test solution should match with that obtained from the standard solution
Water by KF	%	Max 0.1
Acidity as HBr	%	Max 0.1
Purity by GC	%	Min 98.0

STORAGE

Stored at ambient temperature

PACKING

250 kg UN-approved drum

REACH Status

Not registered yet

ExSyn offers 1-bromohexane 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.