

Sodium cyanoborohydride

Product Description

. Reagent for selective reductions.(Schiff bases / amines conjugations)

Name : Sodium cyanoborohydride

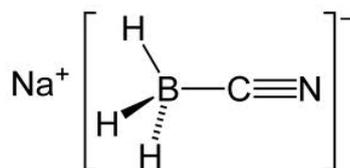
Sodium cyanotrihydroborate; NaBCH₃CN

Catalog Number : 057770, 1g 057771, 10g

Structure : CAS: [25895-60-7]; MW= 62.84

ACD/MDL number: MFCD00003516

PubChem Substance ID: 24849595



Properties: Purity: >95%

Mp: >242 °C

Solubility:

EC (M⁻¹ cm⁻¹):

Storage: Room temperature \varnothing
Protect from heat and moisture

• Applications

Reagent employed in the selective reductive amination of aldehydes¹ and ketones², and in the reductive alkylation of amines³.

Used in the synthesis of a novel phenolate-bridged dilanthanum(III) complex of interest as a model for metalloproteins as well as for its importance in basic and applied chemistry⁴.

References

1. Tetrahedron Lett. 35, 2775, (1994)
2. J. Org. Chem. 55, 2552, (1990)
3. Synth. Commun. 24, 701, (1994)
4. Wang, Z. et al. Inorg. Chem. 36, 629, (1997)

Related / associated products and documents

See [Product highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

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Security

GHS Pictogram



GHS Signal Word Danger

GHS H statment

H228: Flammable solid
 H261: In contact with water releases flammable gas
 H300: Fatal if swallowed
 H310: Fatal in contact with skin
 H330: Fatal if inhaled
 H314: Causes severe skin burns and eye damage
 H400: Very toxic to aquatic life
 H410: Very toxic to aquatic life with long lasting effects
 EUH032: Contact with acids liberates very toxic gas

GHS P statment

P280: Wear protective gloves/protective clothing/eye protection/face protection
 P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting
 P302 + P350: IF ON SKIN: Gently wash with plenty of soap and water
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P273: Avoid release to the environment
 P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Hazard



F: Highly flammable



N: Dangerous for the environment



T+: Very toxic

Risk

11: Highly flammable.
 15: Contact with water liberates extremely flammable gases.
 16: Explosive when mixed with oxidising substances.
 26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.
 32: Contact with acids liberates very toxic gas.
 34: Causes burns.
 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety

1: Keep locked up.
 8: Keep container dry.
 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 28A: After contact with skin, wash immediately with plenty of water.
 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
 43: In case of fire, use ... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add 'Never use water').
 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 50A: Do not mix with acids.
 60: This material and its container must be disposed of as hazardous waste.
 61: Avoid release to the environment. Refer to special instructions / safety data sheets.