

3,4-Difluorobenzonitrile - Aromatic Intermediate

This fluorinated aromatic compound is a crystalline solid at room temperature. It functions as a crucial intermediate in synthesizing pharmaceuticals, agrochemicals, and specialty chemicals.



Product Overview

High-Purity Aromatic Intermediate

3,4-Difluorobenzonitrile is a specialized fluorinated aromatic compound characterized by a benzene ring substituted with two fluorine atoms and a nitrile group. It appears as a stable crystalline solid at room temperature, making it suitable for various industrial handling processes. This compound serves as a critical intermediate in the high-precision synthesis of pharmaceuticals, agrochemicals, and specialty chemicals.

Chemical Identity

Chemical Name	3,4-Difluorobenzonitrile
Chemical Class	Aromatic Intermediate, Fluorinated Compound, Nitrile

Physical Properties

Appearance
Solid • Crystalline

Physical State	Crystalline solid
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Applications

Primary Applications

- Pharmaceutical synthesis
- Agrochemical manufacturing
- Specialty chemical production

Molecular Structure

Structural Features

- Benzene ring backbone
- Fluorine substitution at 3rd position
- Fluorine substitution at 4th position
- Nitrile functional group