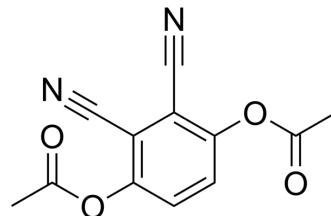


1,4-Diacetoxy-2,3-dicyanobenzene

Cat. No.:	HY-W411215
CAS No.:	83619-73-2
Molecular Formula:	C ₁₂ H ₈ N ₂ O ₄
Molecular Weight:	244.2
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1,4-Diacetoxy-2,3-dicyanobenzene is a cell-permeable fluorescent probe. 1,4-Diacetoxy-2,3-dicyanobenzene crosses the cell membrane and is cleaved by cytosolic esterases to the fluorescent pH indicator 2,3-dicyano-hydroquinone (DCH). 1,4-Diacetoxy-2,3-dicyanobenzene can be used to monitor intracellular pH^[1].

REFERENCES

[1]. Cook JA, et, al. Intracellular pH measurements using flow cytometry with 1,4-diacetoxy-2,3-dicyanobenzene. Cytometry. 1988 Sep;9(5):441-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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