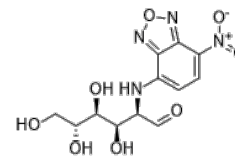


Product Name : 2-NBDG
Cat. No. : PC-23823
CAS No. : 186689-07-6
Molecular Formula : C₁₂H₁₄N₄O₈
Molecular Weight : 342.26
Target : Fluorescent Dye
Solubility : 10 mM in DMSO



Biological Activity

2-NBDG is a fluorescently-labeled deoxyglucose analog that is used primarily to directly monitor glucose uptake by living cells and tissues, can be excited by the Argon laser at 488 nm to give the environment-sensitive.

2-NBDG is also used as a topical contrast reagent for the detection of neoplasia.

2-NBDG can be used in real-time confocal, high-resolution, or wide-field fluorescence microscopy as well as in flow cytometry.

References

Yamada K, et al. Nat Protoc. 2007;2(3):753-62.

Katsuya Yamada, et al. Nat Protoc. 2007;2(3):753-62.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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