2-NBD-Glucose

Glucose uptake probe

Fluorescent glucose uptake probe. May be used to monitor glucose uptake in live cells and as a cell viability indicator. Has been used to measure glucose uptake in cultured hippocampal astrocytes using confocal epifluorescence microscopy. NBD fluorescence typically displays excitation/emission maxima of 465/540 nm. Cell permeable.

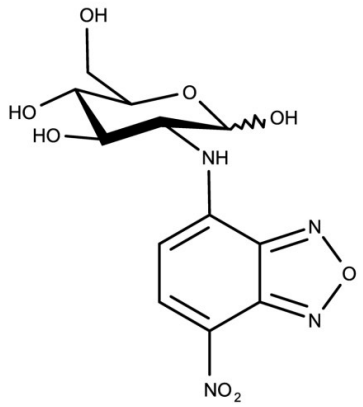
Ordering Information

Order Online »

ENZ-CHM484-0005	5mg

Manuals, SDS & CofA

View Online »


OH
O
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OH
HO
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NO2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2-Deoxy-2-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]-D-glucose
Appearance	Purple solid.
CAS	186689-07-6
Formula	$C_{12}H_{14}N_4O_8$
Identity	Determined by NMR.
MW	342.27
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (10 mg/ml).

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