

Store at -20°C

#8787

ER-Tracker™ Green (BODIPY® FL Glibenclamide)

 100 µg


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rev. 04/02/18

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Species Cross-Reactivity	Molecular Wt.
IF-IC	All	783.10 g/mol

Description: ER-Tracker™ Green (BODIPY® FL Glibenclamide) is recommended for live cell imaging only; fixation with aldehydes or alcohols will inhibit staining.

Excitation: 504 nm

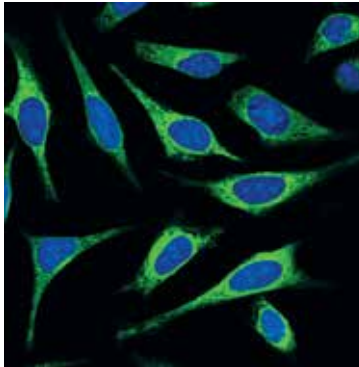
Emission: 511 nm

Background: ER-Tracker™ Green (BODIPY® FL Glibenclamide) is a cell-permeant, live cell stain that is highly selective for the endoplasmic reticulum (ER). This stain consists of the green-fluorescent BODIPY® FL dye and glibenclamide. Glibenclamide (glyburide) binds to sulphonylurea receptors, the regulatory subunit of ATP-sensitive K⁺ channels prominently expressed in the ER. The pharmacological activity of glibenclamide could potentially affect ER function. Variable expression of sulphonylurea receptors in some specialized cell types may result in non-ER labeling.

Directions for Use: ER-Tracker™ Green (BODIPY® FL Glibenclamide) is supplied as a single 100 µg lyophilized vial. To make a 1 mM stock solution, reconstitute the solid in 128 µl of high quality DMSO. Dilute 1:500 directly into normal growth media for a working concentration of 2 µM and analyze immediately. Cells must be imaged live; DO NOT FIX!

To reduce background fluorescence of the media, phenol red free media can be substituted for normal media prior to imaging. BackDrop® Green Background Suppressor #12388 can also be added to reduce background fluorescence.

HeLa



Confocal immunofluorescent analysis of live HeLa cells using ER-Tracker™ Green (BODIPY® FL Glibenclamide) (green). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).

Storage: Store lyophilized solid or solution at -20°C desiccated and protected from light. Once reconstituted in DMSO, the solution should be aliquoted to avoid freeze-thaw cycles. If stored properly, this reagent is stable for 6 months.

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