

Store at
-20°C

ER-Tracker Green (BODIPY FL Glibenclamide)

100 µg

#8787

**Cell Signaling**
TECHNOLOGY®**Support:** +1-978-867-2388 (U.S.)
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IF-IC**Species Cross-Reactivity:** All**Molecular Weight:** 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.

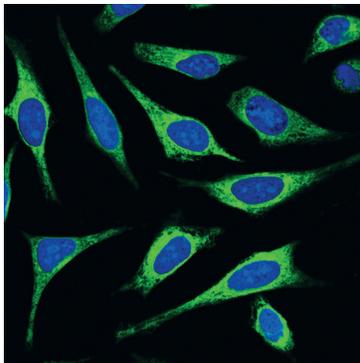
Excitation: 504 nm

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.

HeLa



Confocal immunofluorescent analysis of live HeLa cells using ER-Tracker Green (BODIPY FL Glibenclamide) (green). Blue pseudo-color = 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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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry CHIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry FC-FP—Flow cytometry-Fixed/Permeabilized FC-L—Flow cytometry-Live E-P—ELISA-Peptide
Species Cross-Reactivity: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse
All—all species expected. Species enclosed in parentheses are predicted to react based on 100% homology.