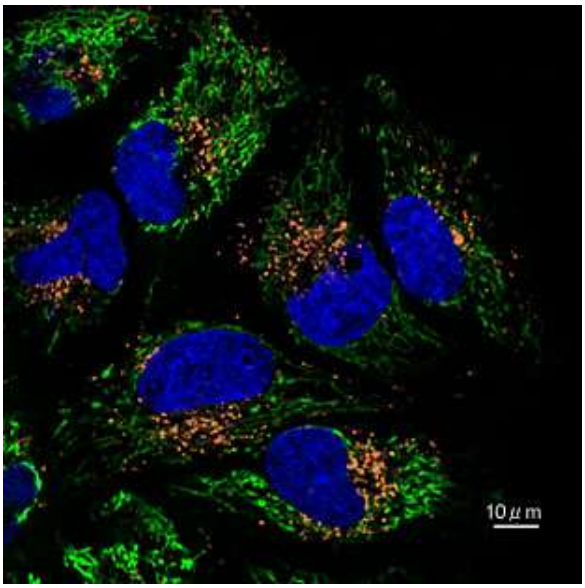
GORYO CHEMICAL

For research use only

AcidiFluor ORANGE™

Code No.	Material	Contents	Storage	Stability
GC301	***AcidiFluor ORANGE™***	10μg×20	Store <-20° C, desiccate and protect from light Storage of the DMSO/dye solution is not recommended	1 year (unopened)
GC3011		10μg×10		

AcidiFluor™ ORANGE is a fluorescence imaging probe which enhances fluorescence dramatically in acidic environments. This probe can stain acidic organelles such as lysosomes, late endosomes and granules selectively. It's excellent selectivity enables detection of acidic environments. At pH5.0, identical to the environment of acidic organelles, the fluorescence intensity is 50-fold or more compared to the intensity at pH 7.4. AcidiFluor™ ORANGE shows excellent photostability against excitation light. It emits orange fluorescence when excitation at 532nm or 514 nm. Multicolor imaging is possible by combining with blue fluorescence (CFP, Hoechst, etc.), green fluorescence (GFP, fluorescein, etc.) and near-infrared fluorescence. AcidiFluor™ ORANGE can be used for detecting acidic organelles, observing granule release, imaging of endocytosis/exocytosis, etc..



Multicolor imaging using HeLa cells expressing Mitochondria-GFP also stained with AcidiFluor™ ORANGE and Hoechst33342. Lysosomes emit orange with AcidiFluor™ ORANGE, nuclei emit blue with Hoechst33342 and Mitochondria emit green with GFP. As shown in the figure, AcidiFluor™ ORANGE is useful for multicolor imaging.

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