

BAPTA JF™549-HTL



Membrane Permeable, Red-Fluorescent Calcium Indicator with a HaloTag® ligand for cell specific and organellar localization using HaloTag® technology. A Janelia Fluor® dye backbone provides excellent brightness and photostability. Red-shifted to minimize background autofluorescence and enable multi-color imaging.

Available in these sizes:

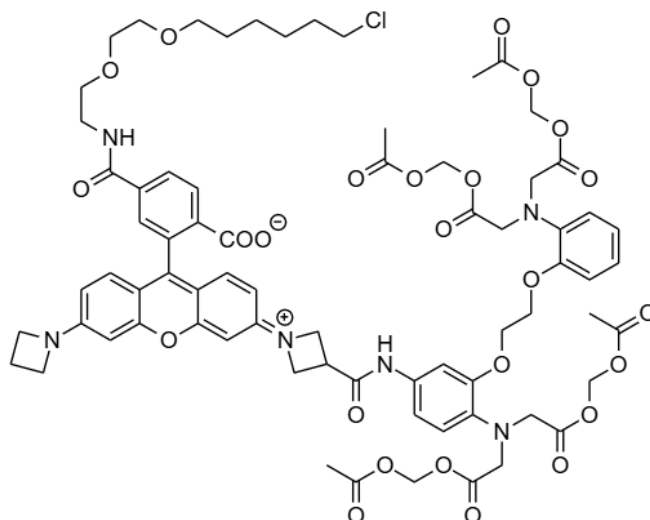
1049-HTL-C	500 µg x 1
1049-HTL-F	50 µg x 10
1049-HTL-G	50 µg x 3

Description	
CAS number	N/A
PubChem CID	N/A
Molecular Weight	1466 g/mol
Solubility	DMSO
K _d	310 nM
Storage	-20°C
Appearance	Red to dark pink film or pellet
Container	1.5 mL polypropylene cryogenic vial

Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent*	High Calcium (Ca ²⁺) Buffer Solution
Absorbance max	552 ± 3 nm

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer
Solvent*	High Calcium (Ca ²⁺) Buffer Solution
Excitation max	552 ± 3 nm
Emission max	577 ± 3 nm

*Note: AM Esters are hydrolyzed to the ion sensing form



LCMS	Agilent 1220 Infinity II
Column	Phenomenex 00D-4251-E0 Luna C ₁₈ , 4.6 x 100 mm, 100Å, 3 µm
UV-Vis Diode Array Detector	254 nm
Purity	≥ 90%
Single Quad MS Detector	ESI positive
Molecular Ion	1465.5 ± 0.5 m/z [M+H] ⁺ 733.3 ± 0.5 m/z [M+2H] ²⁺

¹ H NMR Spectrum	Bruker Avance 400
Solvent	CDCl ₃
Spectra	Product conforms to structure



Cells expressing HaloTag® are required when using this product.

JF™ is a Trademark and Janelia Fluor® is a Registered Trademark of the Howard Hughes Medical Institute.