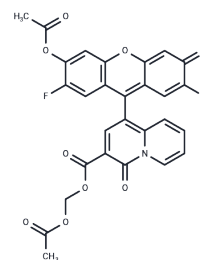


KMG-104AM

Chemical Properties

CAS No. : T19019
Formula: C₂₈H₁₇F₂N₂O₉
Molecular Weight: 549.43
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	KMG-104AM is a selective fluorescein-derived magnesium fluorescent membrane-permeable probe. It is successfully used to Intracellular 3D Mg ²⁺ Imaging.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8201 mL	9.1003 mL	18.2007 mL
5 mM	0.364 mL	1.8201 mL	3.6401 mL
10 mM	0.182 mL	0.910 mL	1.8201 mL
50 mM	0.0364 mL	0.182 mL	0.364 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Komatsu H, et al. Design and synthesis of highly sensitive and selective fluorescein-derived magnesium fluorescent probes and application to intracellular 3D Mg²⁺ imaging. J Am Chem Soc. 2004 Dec 22;126(50):16353-

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