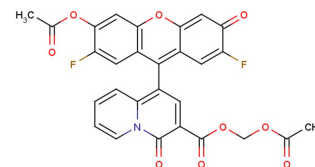


KMG-104AM

Chemical Properties

CAS No.: T19019
Formula: C₂₈H₁₇F₂NO₉
Molecular Weight: 549.43
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**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: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.82 mL	9.1 mL	18.201 mL
5 mM	0.364 mL	1.82 mL	3.64 mL
10 mM	0.182 mL	0.91 mL	1.82 mL
50 mM	0.036 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. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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):16353-60.

Inhibitors · Natural Compounds · Compound Libraries

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