

## KMG-301AM

## Chemical Properties

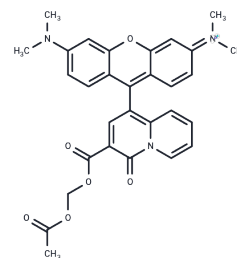
CAS No. :

Formula: C<sub>30</sub>H<sub>28</sub>N<sub>3</sub>O<sub>6</sub>+

Molecular Weight: 526.56

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	KMG-301AM, the acetoxymethyl esterified form of KMG-301, facilitates the acquisition of time-course and pseudo-colored images depicting the changes in mitochondrial fluorescence when stained with KMG-301.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8991 mL	9.4956 mL	18.9912 mL
5 mM	0.3798 mL	1.8991 mL	3.7982 mL
10 mM	0.1899 mL	0.9496 mL	1.8991 mL
50 mM	0.038 mL	0.1899 mL	0.3798 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Shindo Y, et al. Newly developed Mg<sup>2+</sup>-selective fluorescent probe enables visualization of Mg<sup>2+</sup> dynamics in mitochondria. PLoS One. 2011;6(8):e23684.

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