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**Product Data Sheet**

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Product Name: KMG-301AM

Cat. No.: GC36395

**Chemical Properties**

Cas. No. 1372642-77-7

SMILES O=C1C(C(OCOC(C)=O)=O)=CC(C(C2=CC=C(N(C)C)C=C2O3)=C4C3=C/C(C=C4)=[N+](C)/C)=C5C=CC=CN51Formula  $C_{30}H_{28}N_3O_6+$  M.Wt 526.56

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

KMG-301AM is the acetoxy methyl esterified form of KMG-301. Stained with KMG-301AM, Time-course and pseudo-colored images of the change in the fluorescence of KMG-301 in isolated mitochondria can be acquired[1].

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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