
Product Data Sheet

Product Name: KMG-104AM

Cat. No.: GC36394

Chemical Properties

Cas. No. 2436544-28-2

SMILES O=C1C(C(OCOC(C)=O)=O)=CC(C2=C3C=C(F)C(C=C3OC4=C2C=C(F)C(OC(C)=O)=C4)=O)=C5C=CC=CN15Formula C₂₈H₁₇F₂NO₉

M.Wt

549.43

Solubility Soluble in DMSO

Storage

Store at -20°C

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

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

Structure

Background

KMG-104AM, a selective fluorescein-derived magnesium fluorescent membrane-permeable probe, successfully incorporates into PC12 cells and is used to Intracellular 3D Mg²⁺ Imaging [1].

[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.

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

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