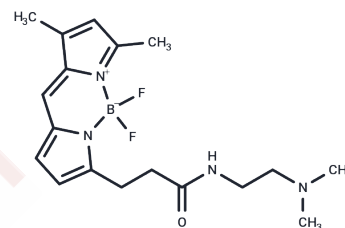


## Green DND-26

## Chemical Properties

CAS No. :	220524-71-0
Formula:	C <sub>18</sub> H <sub>25</sub> BF <sub>2</sub> N <sub>4</sub> O
Molecular Weight:	362.23
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Green DND-26 is a lysosomal fluorescent probe, which can be used to study the localization of organelles.
Targets(IC50)	Others
In vitro	Green DND-26 working solution is prepared by first allowing the solution to return to room temperature, followed by a brief centrifugation to concentrate it at the bottom of the tube. Dilute the 1 mM stock solution to a working concentration using a medium or suitable buffer (such as PBS), with a recommended concentration of 50-100 nM. Adjust the working solution concentration of Green DND-26 according to specific requirements, and prepare it fresh for use. For cell staining, collect suspension cells by centrifugation at 1000 g and 4°C, then wash twice with PBS for 5 minutes each. For adherent cells, remove the medium, treat with trypsin to detach the cells, and centrifuge to discard the supernatant. Wash twice with PBS, each time for 5 minutes. Add 1 mL of Green DND-26 working solution and incubate at room temperature for 30 minutes.

## Solubility Information

Solubility	DMSO: 125 mg/mL (345.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.7607 mL	13.8034 mL	27.6068 mL
5 mM	0.5521 mL	2.7607 mL	5.5214 mL
10 mM	0.2761 mL	1.3803 mL	2.7607 mL
50 mM	0.0552 mL	0.2761 mL	0.5521 mL

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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

Sun B, et al. Acid-Activatable Transmorphic Peptide-Based Nanomaterials for Photodynamic Therapy. *Angew Chem Int Ed Engl.* 2020;59(46):20582-20588.

Van der Velden JL, et al. LysoTracker is a marker of differentiated alveolar type II cells. *Respir Res.* 2013;14(1):123. Published 2013 Nov 11.

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