

## Cathepsin D and E FRET Substrate acetate

## Chemical Properties

CAS No. :

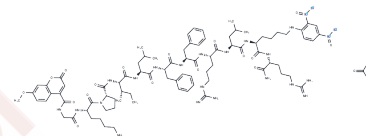
Formula: C<sub>86</sub>H<sub>124</sub>N<sub>22</sub>O<sub>21</sub>

Molecular Weight: 1802.04

Keep away from moisture

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	Cathepsin D and E FRET Substrate acetate is a fluorogenic substrate for cathepsins D and E but not for B, H, or L. Cathepsin D and E FRET Substrate acetate can be used in mechanistic studies on cathepsins D and E studies.
Targets(IC50)	Cysteine Protease

## Solubility Information

Solubility H<sub>2</sub>O: 50 mg/mL (27.75 mM), Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5549 mL	2.7746 mL	5.5493 mL
5 mM	0.111 mL	0.5549 mL	1.1099 mL
10 mM	0.0555 mL	0.2775 mL	0.5549 mL
50 mM	0.0111 mL	0.0555 mL	0.111 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

Y Yasuda, et al. Characterization of new fluorogenic substrates for the rapid and sensitive assay of cathepsin E and cathepsin D. J Biochem

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